

## Glencoe geometry concepts and applications answers

## Glencoe geometry concepts and applications practice workbook answers.

A self-test, quizzes concepts, a geometry and applications, a self test, tests randomly generate a self-classification c-equity, correlated with every lesson in your book. Suggestions are available if youu, a need for extra help. Immediate feedback that includes paga's specific references, allows you to review class skills. Choose your chapter Lesson Andã ã, from the list below. Patterns, 1-1a and inductive raciocanium ã, 1-2A points, lines and plans iv, 1-3a Postulates a ã, 1-4a Conditional Demonstrations and His Conversion Tools, 1-5a of the Committee, 1-6a the resolution plan of numbers, 2-1a reais and number of lines are, 2-2a segments and properties of real numbers segments, 2-3A Congruentes, 2-4 The coordinate plan is 2-5 midpoints 3-1ã, Angles ã, ã, 3-2A Ágward to measure one ã, 3-3a o ã, an addition to the adjacent nugrans and linear pairs of the amenities, 3-6a agriculates congruent , 3-7A perpendicular lines at 4-1 µg, parallel lines to, 4-2a and transversal AA 4-3a transversals and the corresponding lines proving to € 4-4a parallel to the 4-5ã, slope to 4-6 lines equations, 5-1a classifying triâgulos AA 5-2A as a triangle of a triâgulos AA 5-2A as a triangle of a triâgulos ã, 5-5a SSS and SAS ã, 5-6A wing and AAS, 6-1ã, medium ã, 6-2A altitudes and perpendicular bisetrices AA 6-3ã, bisetrics de triã Å, 6-4th, triâgulos Isósceles ã, 6-5ã, right triâgulos ã, 6-6th, the Pytholor Theorem, the 6-7a distance In coordinating Plan segments at 7-1 - there, there are, 7-200, exterior, the Torema ã, 7-3, inequalities within a triangle to, 7-4ã, Triangle Inequality theorem ã, 8-1am, quadrilaterals ã, 8-2 ã, parallelograms ã, 8- 3a tests for parallelograms ã, 8- 3a tests for parallelograms ã, 8- 3a tests for parallelograms ã, 8- 3a, triâgans similar to the 9-4ã, Proportional pieces and parallel lines AA 9-7ã, permetets and similarity, 10- 1st, Naming Polegaros AA 10-2A Diagonal and Angle Measure AA 1 0-3a to the areas of AA 10-4th, the areas of a circle ã, 11-3ã, arcs and central Angles ã, 11-3ã, arcs and central Angl 1am, solid figures of surface area,  $\tilde{a}$ , 12-2, of prisms and cylinders Volumes, the 12-3th, of prisms and areas of surface cylinders, the 12-4th, of the pyramids and the cones  $\tilde{a}$ ,  $\tilde{a}$ , 12-7 $\tilde{a}$ , similarity of sólidos Figures The roots of a 13-1 $\tilde{a}$ , Square simplification A to, 13-27, 45-45-90 degree Triâgans  $\tilde{A}$  13-3  $\hat{A}\mu$ l, 30-60-90 degree triâgulos  $\tilde{a}$ , 13-4th, raccio tangent  $\tilde{a}$ , 13-5 $\tilde{a}$ , sine and cosine coefficients, 14-16, registered in  $\notin$  1  $\tilde{a}$ , 14-5 $\tilde{a}$ , measurements segment a  $\tilde{a}$ , 14-6  $\hat{A}\mu m$ , circles equations, 15-1 $\tilde{a}$ , treble and truth tables AA 15-2 $\tilde{a}$ , deductive reasoning  $\tilde{a}$ , 14-5 $\tilde{a}$ , measurements segment a  $\tilde{a}$ , 14-6  $\hat{A}\mu m$ , circles equations, 15-1 $\tilde{a}$ , treble and truth tables AA 15-2 $\tilde{a}$ , deductive reasoning  $\tilde{a}$ , 14-5 $\tilde{a}$ , measurements segment a  $\tilde{a}$ , 14-6  $\hat{A}\mu m$ , circles equations, 15-1 $\tilde{a}$ , treble and truth tables AA 15-2 $\tilde{a}$ , deductive reasoning  $\tilde{a}$ , 13-8 $\tilde{A}\mu$ l, 30-60-90 degree triangle to the tables AA 15-2 $\tilde{a}$ , deductive reasoning  $\tilde{a}$ , 14-5 $\tilde{a}$ , measurements segment a  $\tilde{a}$ , 14-6  $\hat{A}\mu m$ , circles equations, 15-1 $\tilde{a}$ , treble and truth tables AA 15-2 $\tilde{a}$ , deductive reasoning  $\tilde{a}$ , 13-8 $\tilde{A}\mu$ l, 30-60-90 degree triangle to the tables AA 15-2 $\tilde{a}$ , deductive reasoning  $\tilde{a}$ , 13-8 $\tilde{A}\mu$ l, 30-60-90 degree triangle to the tables AA 15-2 $\tilde{a}$ , deductive reasoning  $\tilde{a}$ , 13-8 $\tilde{A}\mu$ l, 30-60-90 degree triangle to the tables AA 15-2 $\tilde{a}$ , deductive reasoning  $\tilde{a}$ , 13-8 $\tilde{A}\mu$ l, 30-60-90 degree triangle to the tables AA 15-2 $\tilde{a}$ , deductive reasoning  $\tilde{a}$ , 13-8 $\tilde{A}\mu$ l, 30-60-90 degree triangle to the table tables AA 15-2 $\tilde{a}$ , deductive reasoning  $\tilde{a}$ , 13-8 $\tilde{A}\mu$ l, 30-60-90 degree triangle table ta 15-3th, § Ã, 15-4th, preparation for two columns evidence, at, 15-5ã, two columns evidence ã, 15-6th, coordinate evidence, 16-16, solve systems using ELGEBA A os, 16-3, translations ã, 16-4th, reflections to 16- 5ã, Rotations ã, 16-6-6, Dilates Geo Cap Practice Skill 9/16 Contents / 08 04:17 Page 1 Skills Practice Workbook Include: 96 Worksheets㠢 One for each Lesson Geometry\_0 -07-869312-8 9/16/08 4:07 PM Page C1 Skills Practice Workbook The contest includes: 96 Worksheetsà ¢ One for each Lesson Geometry\_0-07-869312-8 9/16/08 04:07 Student Power II: This practice workbook skills give you additional problems for exercises in every lesson. Exercises Exercises Designed to help your study of geometry, reinforcing important mathematical skills you need to succeed in the world every day. The material is organized by chapters and lesson, with a practical spreadsheet skills for each lesson of geometry: concepts and applications. For the teacher: answers to each spreadsheet are found in geometry: concepts and applications of resources Master chapter and also in Professor Wraparound Edition of Geometry: concepts and applications. COPYRIGHT © by McGraw-Hill, Inc. All rights reserved. Printed in the United States of America. Except as permitted by the United States Copyright Law, no part of this book can be reproduced in any form, electronics or mechanically, including photocopia, recording or any information storage or recovery system No written permission from the publisher. Send all orders to: The McGraw-Hill Content Lesson States 12-6 9/10/08 04:07 HM Fage C1 Skins Fractice Workbook skins give you additional problems for exercises and applications. For the teacher: answers to each spreadsheet are found in geometry: concepts and applications. For the teacher: answers to each applications. COPYRIGHT © by McGraw-Hill, Inc. All rights reserved. Printed in the United States of America. Except as permitted by the United States Copyright Law, no part of this book can be reproduced in any form, electronics or mechanically, including photocopia, recording or any information storage or recovery system No written permission from the publisher. Send all orders to: The McGraw-Hill Content Lesson 470 reference and Applications Skills Practice Workbook 1 2 3 4 5 6 7 8 9 10 045 09 807 06 05 04 60 po 807 06 the beginners and properties of the produced set of the produced s Applications Geometry 0-07-869312-8 9/16/08 4:07 PM Page 3 Name 1 Â ± Period skills relate to the right figure. 1. Name all different lines that can be drawn by the set of points. XA AX, AC, AC, XM, XC, MC M 2. Name Intersite Machado and Morning. Point one c Name all plans that are represented in each figure. W 3. RVP 4. Xsegytxa Plans RSTV, SXYT, WXYS, RWX, RWXS, VSYT Planes GXA, Xea , Dea, GDA, Dexg J refer to the right figure. JL 5. Name the intersection of the JLM plane and the JOM plane . Jo Ko 7. Name two airplanes that intersect in ML. JLM Airlines and MLKO ML 8. Name two plans that if CR Uzam in JM. Plans JM and JLM determine whether every assertion is true or false. If a statement is false, explain why. 9. If you have two points, there is only one line that contains the two points. True 10. The intersection of two distinct lines is two points. True 10. The intersection of two distinct lines is two points. False; Two distinct lines is two points. False; Three points not colinated determine a plan. 12. A line is the intersection of two distinct plans. True 13. One point may be the only intersection of two plans. False; Two plans cross a line. 14. Three airplanes can cross in a line. True a Glencoe / McGraw-Hill 3 Geometry: Concepts and Applications Geometry\_0-07-869312-8 9/16/08 1 ~  $\hat{a} \in \mathcal{E}$  44:07 PM Page 4 Name Date Period Period Period Period Period Period a computer and do not like it, then you can return it within 30 days. Hypothesis - You buy a computer and do not like conclusion of each statement. 1. If you buy a computer and do not like it, then you can return it within 30 days. then ox 7 hypothesis â € "x 8 15 CONCLUSION - X 7 3. If the drama club generate \$ 2000, then they go on a tour. Hipotese - The drama Club raises the \$ 2000 conclusion - they will turn 4. If the temperature is 80 ° or more, then you will swim. Hypothesis - The temperature today is 80 ° or more conclusion - you will swim 5. If two lines intersect, then the intersection is a point. Hypothesis - Two lines cross conclusion - the intersection is a point write two other forms of every statement. 6. If two airplanes intersect, the intersection of two airplanes is a line. All the plans that cross themselves in a line. 7. If it snows, then you will be tren. You're going to be snooked. All people are sledding on the days that Neva. 8. Your dog will be happy if you fater you from Chow Doggy. If you feed your puppy dog, then it will be happy. 9. Hiking boots. If you have hiking boots, the walk will be easier. All people with hiking boots can be more convenient. 10. All squares have four sides of equal length and four straight angles, then it is a square if you have four straight angles. Write the inverse of each statement. 11. If a figure is a She has three sides. If a figure has three sides, then it will have good luck, then you can get hurt, then you can get hurt, then you can get hurt. If you get hurt, then you can get hurt, then you can get hurt. If you fater you form the provide the statement is a point. If the two-line intersection is a point, the lines are distinct. 15. If trigle. 12. If you find a penny, then it will have good luck, the *y*ou how have good luck, the *y*ou continue per restless blke. <sup>1</sup>/<sub>4</sub>. If 'you get hurt, then you set up *y* our cat is content, then you will purt. Glence / McGraw-Hill 4 Geometry: Concepts and Applications Geometry 0-07-869312-8 91/6008 4:07 PM Fage 5 bate Protect Period Tools Koids Use a K&@ or compass to his segment in the segments in the upper right corner forms a straight line with the segment in the lower left corner? B AB GCCE 4. It is a case of ab a ab? No 3. The inner bow or the external arch on the right side of the segments goes with the arch on the left side to be part of a circle? External arc ACB 5. If the Circle with Center C is completely designed, you will point out x bedtime in the circle? 6. If extended, VX Intersect Zy in Y? Not vxxyz A © Glence / McGraw-Hill 5 Geometry: Concepts and Application Geometry 0-07-869312-4 91/6008 4:07 PM Fage 5 bate Period Protecting Skills A proteine solving plan Find the permetal and Each Retain. 30 th in p 98 cm, as 94 mm 2 p 16 m, a 16 m2 find the permetal and Each eace a de each retain and the are of each parallelogram. 13. 14 15 d. 15 m. 14 ft 16 ft 8 mi 7 mi 9 in. 22 r T 5 MI 308 FT2 27 16. IN2 35 MI2 17. 20 CM 18. 36 CMI 2473. 2, A rational number between 2 and 3 2,43473. 2, A rational number pertween 2 and 3 2,43473. 2, A rational number somers are equiver. A concepts and Application Geometry 0-0-7.027301 ch. An irrational number of less than 30,12,97331 6. An irrational number of less than 5,6,10100... 8. A rational number feetween 2 and 3 2,2 2 and the equiver soft. A concept some and each each lease and be ach each each lease and beser each each each lease and beser ea of K to the origin is 9 and the distance of T for the origin is 9 determine whether every statement is true or false. Explain your raciocantium. H AZ, then CH AZ, truth; definition of ongruent segments 9. If G true; Definition of MEDICAL POINT 10. Every segment has only one point, 11. A radius can not bison a segment. False; A plane can bise a segment. 13. If a segment was bissed, it is separated into to vorce a segment. False; By definition, the medical points in sol y mention of a B. then I am Dit to be a, then B is between A and C. false; The order of the points may not be a, then B. Truth; Definition of Segment and L. false; The order of the points may not be a, then B. Truth; Definition of Segment and L. false; The order of the points may not be a, then B. Truth; Definition of Segment and L. false; The order of the points may not be a, then B. Truth; Definition of Segment and L. false; The order of the points may not be a, then B. Truth; Definition of Segment and L. false; The order of the points may not be a, then B. Truth; Definition of Segment and L. false; The order of the points may not be a, then B. Truth; Definition of Segment and L. false; The order of Dist. Co. (2, 5) 23. The B. (3, 10, 11. C (3, 0) 12. (2, 0) Non B (5, 12. (2, 0) Name Date SEMI) POINT (10, EVEN (2, 5) (20, 10, 10, 10, 11. C (3, 0) 12. (2, 0) (0, 0) (3, 5) 12. (2, 0) (10, 0) (11. (3, 12, 0) (0, 0, 0) (11. (3, 12, 0) (0, 0, 0) (11. (3, 12, 0) (0, 0, 0) (11. (3, 12, 0) (0, 0, 0) (11. (3, 12, 0) (0, 0, 0) (13. (2, 0) (0, 0) (0, 0) (13. (2, 0) (0, 0) (0, 0) (13. (2, 0) (0, 0) (0, 0) (14. (12, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. (2, 0) (10. 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AMC, kmj, kmj Å © Glencoe / McGraw-Hill 15 Geometry: Concepts and Applications Geometry 0-07-869312-8 9/16/08 3 4:08 PM Page 16 Name Date Skills Period Complementary and , Supplementary angles refer to the right figures. 1. Name a pair of complementary angles. Bod, DOF 2. Name two retos. B Fight, BOF D 57 Å ° O 3. 3. Three pairs of adjacent complementary to Joh. 5 h Exercises 6/1 5. Find the measure of an angle that is complementary to DOF. 6. Find the Measure of Boh. 33 ° 175 7. Name a pair of complementary to WMT. 60 11. Locate the XMY measurement. H 120 ° 35 ° 30 ° 60 ° 60 ° 55 ° 30 ° Z W R S T 28 7-13 Exercises 12. Is YMT a right angle? Justify your answer. None, their measure of an angle that is complementary to XMR. 25. SEARCH M 3 If 3 and 4 form a linear pair in 4 55. 125 15. If 1 and 2 form a linear pair in 1 130, find M 2. 50 16. The € Ngles def and XYZ form a pair linear. If m def 170, what is XYZ? 17. If 4 and 8 are complementary and M 4 45, 8 m find. 45 18. If M 3 10 and 3 and 7 are complementary, what is 7? A Glencoe / McGraw-Hill 16 10 80 Geometry: Concepts and Applications Geometry 0-07-869312-8 9/16/08 16:08 Page 17 Name 3ã, 6 Date Perar Odo Practice Skills Nattulos Congruences Find the X value in each figure. 1. 2. 3. Xan, Â ° 152 °, 122 ° (x 8) Xan, ° 152 114 5. 5. 6. 45 ° (6x 15) 78 ° (3x) 90 ° (4x 10) ° 26 25 25 8. OA and OBs are opposing rays are also OD and OC and opposite rays. If M 2 90 and M 1 and 45, what is 4? 7. What is the measure of a complementary angle for XYZ if MOR XYZ? 42 v 45 x to H 1 Z 2 C 3 o 4 D 48 ° R B Using the figure to the right, 9. If a 3 in 1 64, find the measure of an angle that is complementary to COD, in MAA 58, find M Boc in COD, 122: 58 4 2 O3 CD 11, Locating the measurement of an angle & A © that is complementary to a 1 2 2 75. 15 12. Locating the measurement of an angle ¢ Ã © that is complementary to 4 9 4 9 24. 156 Å © Glencoe / McGraw-Hill 17 Geometry\_0-07-869312-8 3A 7 9/16/08 4:08 PM Página 18 Name Skills Date Period Perpendicular Lines AB ¥ Be, FC to ¥ be, and is point X C. Determine in each the following is true or false. 1. XCB DCE True F A and x 2. BCY is a rectal angle. True W 3. FCE and FCX are complementary. 7. True M WBZ M False 8. FC is the only line â € ¥ to we in true C 9. FCE and AIJ are supplemental. 10. A true X x C true 11. FCD WBA false 12. The x f c false 13. A ab a  $\pm$  c false 14. XCF DCY true bm  $\hat{a} \in \pm$  mc, ma and md are opposite rays. 15. If M DMC 2x 2 M and Amb 8x 2, find M DMC 18 H C 17. If M DMC 2x 2 M and Amb 8x 2, find M DMC 18 H C 17. If M DMC 2x 2 M and Amb 8x 2, find M DMC 18 H C 17. If M DMC 18 H C 18 07-869312-8 9/16/08 04:08 Page 19 Name 4A A Date ODO Skills Practice Parallel 1. 2. Eg gk, eg inclination 3. gk, gh parallel 4. eg, g Intersects 5. jn, ml inclination 6. lk, nk intersecting 7. nk, jh parallel 8. EG, HKMN inclination 9., GK MLEGNKHJ 10. MN, LL Country use Parallel Figure 1a for exercises 10. Name the parts of the rectangular prism. 11. Six planes EGH, GLK, MLK, EMN, EMG, JNK 12. All pairs of parallel planes EGH, GLK, MLK, EMN, EMG, JNK 12. All pairs of parallel to EG JH, ML, NK 15. All segments that intersect ML IE M, MN, LK, GL 16. All segments parallel to JN K IH, in, Il name of the of triangular prism. 17. All pairs of intersecting BFD and BDZ, XYZ and XZD, XYZ and YZD X 18. All pairs of parallel segments F || Y z, x || D z, bx || F y, bd || X z, bf || XY BYBFDZ BF and XZ, BF Y E Z, FD and XY, X E Z FD, BD and XY, BD and YZ, FY X and Z, FY B and D, and FD BX, BX Y and Z, X and DZ Y, DZ and BF 19. All pairs of inclining segments £ 20. All the points in which the trays intersection segments © © Ã, Glencoe / McGraw-Hill 19 B, F, D, X, y, z geometry: concepts and applicaçãµes geometry\_0-07-869312-8 9/16/08 4Ã ¢ 2 4:08 pm Page 20 Name Data Perã Odo Naven Practice Parallel and transverse lines Identify each pair of à ¢ Nágulos as an internal alternative exterior, consecutive interior 5.2 and 5 verticals 7. 13 and 12 alternative exterior, consecutive interior 4. 1 and 8 Alternative exterior 12 56 13 14 9 10 6. 10 11 34 78 15 16 11 12 Consecutive interiors 8. 5 and 4 Alternative exterior 10. 14 and 15 consecutive interiors 12. 14 and 15 Alternate inner and congruentes. 15. 3 135; 16. 6 135; Consecutive interior pairs linear sound à ¢ Nágos Sã £ or supplementals. supplementals. 17. 1 125; Linear pairs are complementary. 55 Å ° 1 2 3 18 3 55; Ã ¢ vertical nggles the congruent congruentes. 10 8 9 100 ° 4 5 11 12 6 7 13 14 19 12 80; Ã ¢ Consecutive internal nggs SÃ £ or complementary. 20. 11 100; Ã ¢ Nógos Alternate inner and congruentes. Ã, Â © glence / mcgraw-Hill 20 geometry: concepts and applications geometry 0-07-869312-8 9/16/08 04:08 PM 4A 3 page 21 Name Data Perã Odo NAFT NAFT PRACTICE TRANSVERSAL AND Ã ¢ Nógos Correspondent in the figure, m p. Name of all congruent à ¢ ngglops to the given ngg. Dê Uma razà £ o for each answer. 1 2 5 6 9 10 13 14 1. 1 6, vertical; 3. 4 7 8 11 12 15 16 m 12 p, Alternative interior; 15, corresponding 9, corresponding; 14, 11 Alternate exterior, alternative interior; 16, corresponding; 2, 8 alternative exterior, corresponding; 3, 6 alternative exterior, alternative exterior, alternative interior; 1, corresponding; 5, 6 80 Å ° 2 1 40 Å ° 3 4 5 6 7 8 12 11 10 9 7 40 m 1, m 2 140, 3 140 m, 4 m 40, 5 m 140, m 6 140, 7 m 40 m 35 1, m 2, 80, m 3 80, 4 100 m, m 5 65, m 6 65, 7 65 m, m 8 115, 9 m 65, m 10 115, 11 100 m, m 12 80 9. 10. 70 ° 6 5 4 7 8 70 Å ° 50 ° 3 9 10 11 12 1 15 2 14 13 14 13 8 9 Glencoe / McGraw-Hill 12 10 178 ° 5 1 2 1 70 m, m 2 70, 3 60 m, m 4 70, 5 m 110, m 6 110, 7 110 m, m 8 70, 9 40 m, m 10 70, 11 60 m, 12 m 120, 13 60 m, 14 m 120, 15 m 70 \* © 35 ° 21 6 7 3 4 1 m 102, m 2 78, 102 m 3, m fift 78, 5 m 102, m 6 78, 7 m 102, m 8 102, 9 m 78, m 10 102, 11 78 m, 12 m 102, m 13 102, M 14 78 Geometry: Concepts and applica 4 Data Perã Odo Practice Skills Proving Lines Find Parallel X TÃ £ what c d. 1. 2. 3. C 48 Â ° C (2x 8) Â ° D Â ° X, D 115 ° C 48 41 4. 5. 6. 23 D 135 Å ° (7x 2) Å ° 82 Å ° (4x 3) Å ° 12 d CD 24 ° D 7 12 C 7. C (5x 11) Å ° C 8. 9. (6x 1) Å ° DC (6x 6) Å ° 75 Å ° 70 AB 13. A 75 ° ABDE 14. B ECD 15. D 95 Å ° 75 Å ° 75 Å ° 75 Å ° 70 Å ° 75 Å ° 75 Å ° 70 Å ° 70 Å ° 75 Å ° 70 Å ° 70 Å ° 75 Å ° 70 Å ° 70 Å ° 70 Å ° 75 Å ° 70 Å ° 85 ° CD Fe d EFC CDA © xw zv, xy wz glencoe / mcgraw hill 70 ° AB 110 ° ABC 22 Geometry: Concepts and Applications Geometry 0-07-869312-8 9/16/08 04:08 Página 23 Name 4 5 Date PERÃO ODO SKILLS PRACTICE SLOPE Find the inclination of Each line, 1, 2, Y (3, 2) Y (2, 4) (1, 3) (1, 1) x Y 3, O (1, 1) XX O (2, 2) Two 4.4 indefinite 5, Y 6, YY (3, 4) (2, 4) X S (0, 2) X S X S (2, 3) (2, 3) (2, 2) 1 0 6 7. 8. 9. y yy (1, 3) (1, 1) (1, 2) o (3, 0) xx o (1, 2) ax (1, 2) 12 1 indefinite given each set of points, determine if ab and cd are parallel, perpendicular 11. A (0, 5), B (5, 0), C (3, 2), D (4, 1) parallels 12. (2, 3), B (4, 5), C (0, 3), D (1, 0) perpendicular 13. A (0, 0), B (4, 5), C (0, 3), D (5, 4) Not at 14. One (1, 1), B (3, 2), C (5, 0), D (3, 7) Not at 15. One (2, 5), B (5, 2), C (3, 1), D (4, 0) parallel 16. One (2, 1), B (5, 3), C (2, 2), D (3, 3) Neither 17. One (3, 0), B (6, 3), C (4, 3), D (5, 4), © Glencoe / McGraw-Hill perpendicular 23 geometry: Concepts and Applications geometry 0-07-869312-8 9/16/08 04:08 Page 24 Name 4ã ¢ 6 Date PERÃO ODO Skills Protect Line Equations Name The inclination intersection of the graph of each equation. 4; 1 y 5x 1 5; 1 10x y 7 10; 7 y x 1; 0 and 6 0; 6 2x 2Y 14 1; 7 1 5 x 10y 20; 2 2 1. Y 3x 2 2. Y 4x 1 3. 4. 5. 7. 9. 11. 13. 3; 2 y 2x 5 2; 5 x 2 indeterminate; no y 3 x 1 3; 1 y 2x 3 2; 3 4x y 8 4; 8 9x 3y 12 3; 4 6. 8. 10. 12. 14. Cherry each equation using slope and y. 15. Y 2x 1 16. YX 3 YYY 2x 1 x oxoyx 3 18. 3x y 2 xy 17. 4 yy y 3x 2 x oxox y 4 19. 1 20. 2x yy 2 3x yy 2x 1 o y é Glencoe / McGraw-Hill 3x Y 2 X S x 24 Geometry: Concepts and Applications Geometry: Concepts and Applications Geometry 0-07-869312-8 9/16/08 16:08 Page 25 Name 5th 1 Date PERÃO Skills Practice Rating Triâm ¢ Ngles classify each triangle for their angles and the sides. 1. 60 2.6 in 3 cm of 60° in 6. 16 Pets 100° C 21° 60° 60° 4 Centemeters Acute, certain equalizer, scalene 6. 50° 20 cm 11 m isósceles, obtuse 5. 15. M 50° 72° 38° 36° 11 M 80° 22 Centemeters isósceles, acute 42 Å ° Scalene, obtuso 8. 130 Å ° ° 30 centimeters of 100° 32° 40 Geometry: Concepts and Applications Geometry 0-07-869312-8 9/16 08 04:08 page 26 Name 5th 2 Date PERÃO ODO SKILLS PRACTICE AUGLE OF A TRIANCE Find the value of each variably. 1. 2. 3. Xan, Â ° xã, Â ° 110 Å ° xã, Â ° 55 ° 70 40 35 4. 5. 6. Xã, Â ° 50 ° Xã, Â ° 52 ° 44 ° 44 ° 84 ° 84 ° 85 7. 38 52 8. 18 ° 9. Xan, Â ° 60 ° 135 ° 75 10. 45. ¢ Ngle. 13. 14. Xan, 43 ° (3x 10) 64 ° (2x) 73 °, © Glencoe / McGraw-Hill 32, 58 26 Geometry: Concepts and Applications Geometry in Motion Identify each move as translation, reflecting, or rotation. 1. 2. 4. Translation reflection 7. Reflection 3. Rotation Translation 5. 6. Translation 8. Rotation 9. Translation in the figure to the right, ABCD quadrilateral WXYZ quad. B C 10. What corresponds to angle D? 11. Z that corresponds to angle D? 11. Z that corresponds to ABCD quadrilateral WXYZ quad. B C 10. What corresponds to angle D? 11. Z that corresponds to angle D? 11. Z that corresponds collateral for x-y? B C D A W x 12. Name The point-to-point image A. W y 13. Name of the image of a D. W Z 14. What vermity of ABCD quadrilateral WXYZ quad. B C 10. What corresponds to angle D? 11. Z that corresponds to angle D? 13. Name of the image of a D. W Z 14. What vermity of ABCD quadrilateral WXYZ quad. B C 10. What vermity of ABCD quadrilateral WXYZ quad. B C 10. What corresponds to angle D? 11. Z that correspond corresponds to Y? CZ 15. Name of the side corresponding to a B. WX a, © Glencoe / McGraw-Hill 27 Geometry: Concepts and Applications Geometry: 0-07-869312-8 9/16/08 16:08 Page 28 Name 5th 4 Date PERÃO ODO PRÁCTICE Congruent TRIANCES Name the Congrentes and the sides of each pair of congruent triângulos. Then draw arches and Brands to show the congulos and sides. 1. A 2. Xoybzc Ace XYZ EDZNC MC, NB, OA, NM CB, NO, MO C A 4. NBB MNO CBA AX, YC, EZ, C XY, CE YZ, AE XZA 3. AMQZARCI BDE ZNQ Tri Zac Bz, DN, QE, DZN, DENQ, BEZZ QB T, RA, IC, T RZA, RIAC, TIZC Complete each congruent declaration. 5. B C W Z 6. A X R A CAX 7. H? ZWO BRX 8. C I and ARO? X Y D A B R MAB 9.? EIX MCD B A G 10. Abd a Glencoe / McGraw-Hill A M C O Oiy? B C? CDB 28 LMO? CBA Geometry: Concepts and Applications Geometry: Concepts and Applications Geometry 0-07-869312-8 9/16/08 04:08 Page 29 Name 5th 5 Date PERA © Skills Practice SSS and SAS write a congruence statement for each pair of trian ¢ Ngles represented. CNO, CL Op, CO 1. A 2. WXAB, XZABC, WZ A C 3. EGPS, P EH T, EP 4. HYRP, EYAP, YP 5. ZRQR, APS, ZPQS 6. MLZN, LR NB, GN ACL NOP EGH PST ZAP QRS WXZ ABC HEY RAP MRL ZBN Determine if each pair of triâgulos is congruent. If so, write a congruence statement and explain why the triâgulus are congruent. 7. A B C 8. and W D R D ABD CBD; SAS 9. H G A aer WDG; Sss 10. I d q l l and j hyj; SAS 11. P qad qau; SAS 12. L X W L R Y Z PLR RAP; Sss uwz xwy; SAS Use the information given to determine if the two triâms are congruent by SAS. Write yes or no. LD HR, Loma Yes 13. LM, G 14. Hg, LD HR, OA, None 15. LD MR, LOMA, OA, No 16. LD MR, LOMA, Dora, N Â © ã, Glencoe / McGraw- Hill 29 DRAOM Geometry: Concepts and Applications Geometry 0-07-869312-8 9/16/08 04:08 Página 30 Name 5ã ¢ 6 Date PERÃO ODO PRACTICE ASA and AAS write a congruence statement for each pair of triâms represented. Z R. ABC ZRX 1. In ABC and ZXR, CX, AZ and AB 2. In Def and BGO, DB, and O, and D and B S def BOG 3. In tri and gan, ta, aunt â € œC, and Tra N. Tri Ang 4. In ZIP and Los, PS, Ig, P and IO G. ZIP SLO Name The additional congruent parts necessary for the triâms are congruent by the postulate or indicated theorem. 5. AAS DTSARM 6. AFBCC R D S B 7. 8. AAS ASA MRABYXOBAZNCC No B A B C ZX determine whether each pair of triasts is congruent by SSS, SAS, Asa, or AAs. If it is not possible to prove that they are congruent, do not write as possible. 9. 10. FSTVGIXRH SSS ASA 11. 12. VBNAKC Not possible a Glencoe / McGraw-Hill AAS 30 Geometry: Concepts and Applications Geometry 0-07-869312-8 9/16/08 04:08 6ã ¢ 1 Página 31 Name Date Perú Odo Skills Practice Median ad, Be and CF are median ACE. 1. If AE 24, find AF. 12 2. Find AE, if Fe 15. 3. What is BC if AC 36? 4. Find EC, if 7. 18 C H D F and 14 5. What is CD if EC 68? 6. If AF 3, find tw. 9 t w 8. If the 26, find or. 9. If WO 5, find OS. 13 x 10 Z R 10. Locate ZO SE ox 50. 25 1 11. What is ts if ts is 2? 12. What is OW are median txs. 7. If TX 18, find tw. 9 t w 8. If the 26, find or. 9. If WO 5, find OS. 13 x 10 Z R 10. Locate ZO SE ox 50. 25 1 11. What is ts if ts is 2? 12. What is OW are median txs. 7. If TX 18, find tw. 9 t w 8. If the 26, find or. 9. If WO 5, find OS. 13 x 10 Z R 10. Locate ZO SE ox 50. 25 1 11. What is ts if ts is 2? 12. What is OW are median txs. 7. If TX 18, find tw. 9 t w 8. If the 26, find or. 9. If WO 5, find OS. 13 x 10 Z R 10. Locate ZO SE ox 50. 25 1 11. What is ts if ts is 2? 12. 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What is OW are median txs. 7. If TX 18, find tw. 9 t w 8. If the 26, find oS. 13 x 10 Z R 10. Locate ZO SE ox 50. 25 1 11. What is ts if ts is 2? 12. What is 0 Z R 10. Locate ZO SE ox 50. 25 1 11. What is 0 Z R 10. Locate ZO SE ox 50. 25 1 11. What is 0 Z R 10. L is OW 9? 18 RN, PM, and LNP is Median of LNP. 13. What is LP if RL is 4? 8 L R 14. Find it to be LOs 18 6 15. What is a 42 Ã 42? P 21 o N 16. If MA 13, find it. Ã Glencoe / McGraw-Hill 5 31 Geometry: Concepts and Applications Geometry\_0-07-869312-8 6ã ¢ 2 9/16/08 16:08 Page 32 Name Date Perã Odo Skills Practice Altitudes and Perpendicular BISSETRIZES Say If the bold segment or the line represents an altitude 10. Mediatriz 11. Neither 12. Mediatriz use of the figure to the right. 13. Name a segment in the triangle that is an altitude. Both ACA or BCD 14. Name a segment in the triangle that is a perpendicular bisectric D. FEC 14. Name a segment in the triangle that is not an altitude and it is not a perpendicular bisectric D. FEC 14. Name a segment in the triangle that is not an altitude Glencoe / McGraw-Hill 32 FGB Geometry: Concepts and Applications Geometry 0-07-869312-8 9/16/08 4:08 PM 6A 3 Page 33 Name Date Perú Odo Practice Skills Bisetrizes de Triã € Ngles in ACD, DB Corta ADC, and C and CODA ACD. 1. If m 1 40, what is 3 m if DAC 36? B 1 2 18 3 4. If M 1 45, what is ADC? 90 5. What is M DCA if M DCE 20? 6. FIND M ADB If M BDC 39. 39 7. What is MS ACD if M 4 18? 36 8. Search M 2 if m 1 43. 4 C 40 43 9. If m 3 21, which is 4 m? 21 10. What is MCD if M ECA 24? 24 In Mor, MP Bisecta MRO, and the SA bisecta MRO, and the SA bisecta mor. 11. Research 6 m if m mor 34. The 17 is 12. The M OMR if M 1 23? 46 h 13. If M 3 55, which is 4 m? 55 15. Research M 1 If M 2 27. 17. 16 What is M 6 15? P 34 R 120 15 18. If M MRP 112, what is 3? 19. Search M OMP If M PMR 30. 56 30 20. What is 4 if mro is a right angle? Glencoe / McGraw-Hill 5 27 16. If M 4 60, which is MRO? Ã, © 1 2 s 14. What is mos if m mor 32? 6 n 45 33 Geometry: Concepts and Applications Geometry 0-07-869312-8 9/16/08 04:08 Page 34 Name 6ã ¢ 4 Date PERÃO ODO SKILLS Practice Triâms IsSceles Find the values of varia Veis â € â €

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