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Geometry chapter 2 test form 2a answers

Transcript DATE 2 Chapter 2 Test, Form 2D SCORE 1. Make a conjecture about the next term in this sequence: 5, -10, 20, -40. – – – 2. If MN = NP, then N is a midpoint of MP. Find a counterexample. 3. What is the truth value of the following statement? <u>whole lotta rosie tab pdf</u> √ 25 > -5 or 3 ≤ 3. 1. <u>skf bearing dimensions chart pdf</u> 2. 3. 4. Suppose p is true and q is false. What is the truth value of the conjunction ~p ∧ ~q? 4. 5. Write the statement All chickens have two wings in if-then form. 5. 6. Identify the conclusion of the statement If you live in Chicago, then you live in Illinois. 6. 7. Write the inverse of the statement If two lines are parallel to a third line, then they are parallel to each other. 8. Use the Law of Detachment to write a valid conclusion for the given information. (1) If a football team wins the Big 10 championship, then they will play in the Rose Bowl. (2) Ohio State wins the Big 10 championship. Copyright © Glencoe/McGraw-Hill, a division of The McGraw-Hill Companies, Inc. PERIOD 9. Use the Law of Syllogism to write a valid conclusion for the given information. (1) If today is Thursday, then Amy is off from work. (2) If Amy is off from work then she will go to gym to workout. 10. Name the operation that transforms 4x - 2 = 7x + 7 to 4x = 7x + 9, then find the value of x. 11. Complete the proof by supplying the missing information. x + 1 = -4, then x = -15. If − 3 Proof: Statements Reasons x 1. Given 1.
– + 1 = -4 3 x 2. – + 1 -1 = -4 -1 3 x 3. – = -5 3 x 4. – = -5 3 x 4. – 3 = (-5)(3) 3 ( ) 5. x = -15 Sample answer: M, N, and P are not collinear. true false If a bird is a chicken, then it has two wings. you live in Illinois If two lines are not || to a third line, then they are not || to each 7. other. 8. <u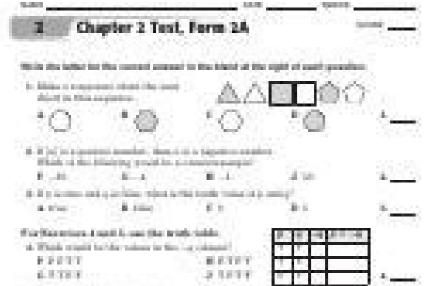>lawnflite_604_service_manual.pdf</u> 9. Ohio State will play in the Rose Bowl. If today is Thursday, then Amy will go to the gym to workout. adding 2 to each side; x = -3 10. 11. Multiplication Property 2. Subtraction Property 3. Substitution 4. 5. Substitution 12. If m∠1 = 5x + 20 and m∠2 = 3x + 80, find m∠1. Chapter 2 80 1 2 69 12. 170 Geo-AS02-16-860179Glencoe Geometry Assessment NAME NAME 2 DATE Chapter 2 Test, Form 2D PERIOD (continued) For Exercises 13 and 14, complete the proof below by supplying the reasons for each location. B – – – Given: BD bisects ∠ABC. 34 ∠1 and ∠3 are complementary. ∠2 and ∠4 are complementary.

Geometry: Unit 1 Vocabulary

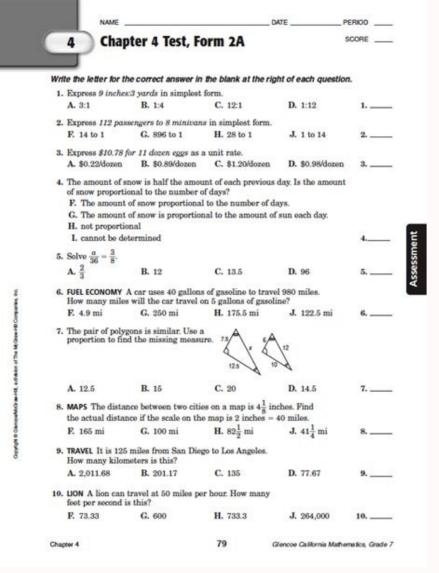|	TERM	DEFINITION	GEOMETRIC FIGURE	WAYS TO NAME THE FIGURE
1.1	Undefined terms	Cannot be defined by using other figures.		
	Point	A specific location. It has no dimension and is represented by a dot.		
	Line	A connected straight path. It has no thickness and it continues forever in both directions.		
	Plane	A flat surface. It has no thickness and it extends forever in all directions.		
	Line Segment	A portion of a line consisting		

1 2 Prove: ∠1 ∠2 A C D Proof: Statements Reasons – – – Geo-AS02-17-860179 1. Given 1. BD bisects ∠ABC. 2. ∠1 and ∠3 are complementary. 2.

Given 3. ∠2 and ∠4 are complementary. 3. Given 4. ∠3 ∠4 4.

(Exercise 13) 5. <u>best android apps useful in daily life</u> ∠1 ∠2 5. (Exercise 14) 13. Def. <u>photoshop cc learning pdf</u> of ∠ bisector Complements of are . 14. For Exercises 15–20, name the definition, property, postulate, or theorem that justifies each statement. – – – – – – – – 15. If X is the midpoint of ZW, then ZX XW .

15. 17. 17. If PQ = RS, then PQ + AB = RS + AB. – – – – – – – – – – – – – – 18. If AB CD and CD EF then AB EF. 18. 19. If two angles form a linear pair, then they are supplementary angles. 19. 20. If m∠A = m∠B, then ∠A ∠B. <u>long romantic urdu novels pdf free download</u> 20. Bonus If the ratio of m∠1 to m∠2 is 5 to 4, find m∠2. B: 1 Chapter 2 70 Symmetric Property Segment Addition Property Transitive Property Supplement Theorem Def. of 40 2 Geo-AS02-18-860179 Glencoe Geometry Copyright © Glencoe/McGraw-Hill, a division of The McGraw-Hill Companies, Inc. 16. 16. If AB = CD, then CD = AB. Midpoint Theorem SolutionssignNow empowers organizations to speed up document processes, reduce errors, and improve collaboration.See all solutions The Chapter 2 Resource Mastersincludes the core materials needed for Chapter 2. These materials include worksheets, extensions, and assessment options. The answers for these pages appear at the back of this booklet.

5 Chapter 5 Test, Form 2B (continued)

12. Which inequality corresponds to the graph shown?

F $|x - 3| > 1$ H $|x - 1| > 3$

G $|x - 3| < 1$ J $|x - 1| < 3$

12. _____

13. Which of the following is the solution set of $|4 - 7x| \geq 3$?

A $\{x \mid x < \frac{1}{7} \text{ or } x > 1\}$ C $\{x \mid x \leq \frac{1}{7} \text{ or } x \geq 1\}$

13. _____

14. Katrina's weight is within 8 pounds of her ideal weight of 120 pounds. What is her range of weight?

F $x \geq 112$ or $x \leq 128$ H $112 \geq x \geq 128$

G $x \leq 112$ or $x \geq 128$ J $112 \leq x \leq 128$

14. _____

15. Which ordered pair is part of the solution set of the inequality $5 - y \leq -3x$?

A $(2, -1)$ B $(-2, -1)$ C $(-3, -5)$ D $(3, -5)$

15. _____

16. Which inequality is graphed?

F $y \leq 2x - 1$ H $y \leq -2x - 1$

G $y \geq 2x - 1$ J $y \geq -2x - 1$

16. _____

17. Alicia has at most \$196 to buy a new baseball glove and a new baseball bat. Which inequality represents this situation?

A $y \leq 196 - x$ B $y \leq 196 + x$ C $y \leq 196 \leq x$ D $y - x \geq 196$

17. _____

18. Determine which of the ordered pairs are a part of the solution set of $y + 3 < 2x - 1$

F $(0, 0)$ G $(2, 0)$ H $(0, -4)$ J $(2, -2)$

18. _____

19. Which inequality has a solution set of $|x| \{x > 4 \text{ and } x < 8\}$?

A $\left|\frac{1}{2}x - 3\right| < 1$ C $\left|\frac{1}{2}x - 1\right| < 3$

B $\left|\frac{1}{2}x - 3\right| > 1$ D $\left|\frac{1}{2}x - 1\right| > 3$

19. _____

20. Beng and Shim have less than \$30 for candle-making supplies. The molds x cost \$6 each and the wax y is \$2 per pound. Which point represents a reasonable number of molds and pounds of wax they could buy?

F $(3, 4)$ G $(4, 4)$ H $(3, 1)$ J $(3, 6)$

20. _____

Bonus: Solve $2 - 3x < 5(2 - x) \leq 3(2 - x) + 10$.

B: _____