

Geometry Review Quiz 18

Name _____

- _____1. If C is between X and Y with $CX = 8n - 4$ and $CY = 2n + 10$, what is XY?
A. $6n - 6$ B. $6n - 14$ C. $10n + 6$ D. $10n - 6$
- _____2. What is the midpoint of a line that has endpoints at $(-2, -3)$ and $(8, -1)$?
A. $(6, -4)$ B. $(6, -2)$ C. $(3, -2)$ D. $(-6, -4)$
- _____3. Line a and line b are perpendicular to each other. If line a has a slope of 4, what is the slope of line b?
A. 4 B. -4 C. $\frac{1}{4}$ D. $-\frac{1}{4}$
- _____4. If you walk 35 miles due North and then 48 miles due West, rounded to the nearest mile how far are you from your starting point?
A. 13 miles B. 33 miles C. 59 miles D. 61 miles
- _____5. Let p represent the statement "x is not a real number" and q represent "x is an integer." What would the symbolic language be for "If x is not a real number, then x is not an integer"?
A. $\sim p \rightarrow q$ B. $p \rightarrow \sim q$ C. $\sim q \rightarrow p$ D. $\sim q \rightarrow \sim p$
- _____6. The contrapositive of "if you have a dog, you like cats" is "if you don't like cats, you love dogs."
A. True B. False
- _____7. In my class, everyone plays either golf or tennis. 14 play golf and 8 play tennis. If 3 play both tennis and golf, how many kids are in my class?
A. 17 B. 19 C. 22 D. 25
- _____8. What is the distance from $(1, 5)$ to $(7, 6)$?
A. $\sqrt{37}$ B. $\sqrt{23}$ C. $\sqrt{24}$ D. None of the above
- _____9. If BCDE is congruent to OPQR, then \overline{DE} is congruent to _____?
A. \overline{PR} B. \overline{PQ} C. \overline{QR} D. \overline{OP}
- _____10. Which of the following doesn't prove congruency?
A. SSS B. SSA C. ASA D. AAS