

Honors Geometry Review Quiz 23

Name _____

Put all answers to the multiple choice questions below. Use Capital Letters, please.

- _____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. In a parallelogram, the diagonals are equal in length.
A. True B. False
- _____3. 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
- _____4. If two sides of a triangle are 6 cm and 8 cm, what must be true about the third side?
A. $2 \leq m < 14$ B. $2 < m < 14$ C. $2 > m > 14$ D. $2 \leq m \leq 14$
- _____5. The inverse of “if you are old, you have a big head” is
“if you don’t have a big head, then you are not old.”
A. True B. False
- _____6. If the measures of the angles on the inside of a pentagon are $2n + 40$, $3n + 40$, $n - 30$, $6n + 30$, and $4n + 60$, what is n ?
A. 25 B. 28 C. 30 D. 32
- _____7. “If you like dogs, you like cats” is represented by $p \rightarrow q$. What would be the symbolic representation of “if you don’t like cats, you like dogs”?
A. $\sim p \rightarrow q$ B. $p \rightarrow \sim q$ C. $\sim q \rightarrow p$ D. $\sim q \rightarrow \sim p$
- _____8. Let p represent $\sqrt{11} = z$, and let q represent z is a rational number. What is a symbolic representation of the statement:
“If $\sqrt{11} = z$, then z is not a rational number”?
A. $q \rightarrow p$ B. $p \rightarrow \sim q$ C. $\sim q \rightarrow p$ D. $q \rightarrow \sim p$
- _____9. What is the value of n : $\frac{4}{n+2} = \frac{9}{n+7}$
A. $n = 1$ B. $n = 2$ C. $n = -2$ D. $n = 4$
- _____10. Which set of side lengths below is **NOT** the measurements of a right triangle?
A. 8, 15, 17 B. 13, 84, 85 C. 27, 31, 37 D. 33, 56, 65