

Honors Geometry Review Quiz 5

Name _____

Put all answers in the blank to the left of the question.

- _____1. 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
- _____2. A line segment has an endpoint at (3, 2). If the midpoint of the line segment is (6, 1), what are the coordinates of the point at the other end of the line segment?
A. (4.5, 1.5) B. (4.5, 2) C. (9, 0) D. (9, 3)
- _____3. If the radius of a circle is 20 cm, what is the circumference? (Ignore units)
A. 20π B. 40π C. 80π D. 400π
- _____4. What property is demonstrated by: If $x - 4 = a$, then $x = a + 4$
A. Transitive B. Subtraction C. Reflexive D. Addition
- _____5. If the conditional statement "If you have a laptop, then you have a computer" is represented by $p \rightarrow q$, what is the symbolic representation of "If you have a computer, then you do not have a laptop"?
A. $q \rightarrow \sim p$ B. $\sim q \rightarrow p$ C. $p \rightarrow \sim q$ D. $\sim q \rightarrow \sim p$
- _____6. Consider p : the sum of two angles is 180°
 q : the two angles are supplementary
What would represent "If two angles are not supplementary, then the sum of the two angles is not 180° "?
A. $\sim p \rightarrow \sim q$ B. $\sim q \rightarrow \sim p$ C. $p \rightarrow \sim q$ D. $\sim q \rightarrow p$
- _____7. I have a total of 16 kids. If 11 of my kids play soccer and 9 play tennis, how many play both tennis and soccer?
A. 2 B. 4 C. 8 D. 10
- _____8. Which could be the side lengths of a right triangle?
A. 12, 15, 25 B. 11, 60, 61 C. 1, 2, 3 D. 27, 31, 37
- _____9. 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. $10n - 6$
- _____10. If $4x = 8$, then $x = 2$. What is the inverse of this statement?
A. If $x = 2$, then $4x = 8$. C. If $x \neq 2$, then $4x \neq 8$.
B. If $x = 2$, then $4x \neq 8$. D. If $4x \neq 8$, then $x \neq 2$.