

Geometry Review Quiz 14

Name _____

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

- _____1. “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 don’t like dogs”?
A. $\sim p \rightarrow q$ B. $p \rightarrow \sim q$ C. $\sim q \rightarrow p$ D. $\sim q \rightarrow \sim p$
- _____2. If C is between X and Y with $XY = 4n - 10$ and $CY = 2n - 9$, what is CX?
A. $6n - 1$ B. $2n - 1$ C. $2n - 19$ D. None of the above
- _____3. What property is demonstrated by: If $x = 4$ and $x + y = 6$, then $4 + y = 6$
A. Transitive B. Subtraction C. Substitution D. None of the above
- _____4. A is at (4, 3) and B is at (6, 0). If B is the midpoint of \overline{AC} , what are the coordinates of C?
A. (5, 3) B. (2, -3) C. (8, 6) D. None of the above
- _____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 $\angle A$ and $\angle B$ are vertical angles with $\angle A = 3n + 5$ and $\angle B = n + 15$, what is the measurement of $\angle B$?
A. 65 B. 5 C. 20 D. None of the above
- _____7. There are 30 kids who play either soccer or baseball. 4 of the 30 kids play both soccer and baseball. If the soccer team has 18 members, how many kids are on the baseball team?
A. 12 B. 16 C. 20 D. 26
- _____8. If $\triangle ABC \cong \triangle ERT$ with $AB = 10$, $BC = 13$, $\angle A = 39^\circ$, and $\angle R = 88^\circ$, what is RT?
A. 39° B. 88° C. 10 D. 13
- _____9. What is the distance from (4, 4) to (7, 5)?
A. $\sqrt{2}$ B. $\sqrt{5}$ C. $\sqrt{10}$ D. $\sqrt{17}$
- _____10. If $\triangle ABC \cong \triangle XYZ$, $AB = 38$, $YZ = 28$, and $XY = 5x + 8$, what is the value of x?
A. 30 B. 20 C. 6 D. 4