

Geometry Review Quiz 1 2019-20

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”? [2-2]
A. $\sim p \rightarrow q$ B. $p \rightarrow \sim q$ C. $\sim q \rightarrow p$ D. $\sim q \rightarrow \sim p$
- _____2. Which set of numbers could be the sides of a triangle? [5-1]
A. 6, 14, 8 B. 9, 11, 21 C. 8.5, 17, 10.6 D. 14, 4.7, 4.7
- _____3. Consider the angles below: [1-5 B]
 $\angle A = 35^\circ$ $\angle B = 40^\circ$ $\angle C = 55^\circ$ $\angle D = 60^\circ$ $\angle E = 120^\circ$
Which of the following pair of angles would be complementary angles?
A. $\angle A$ and $\angle D$ B. $\angle D$ and $\angle E$ C. $\angle D$ and $\angle B$ D. $\angle A$ and $\angle C$
- _____4. A is at (4, 3) and B is at (6, 0). If B is the midpoint of \overline{AC} , [1-4B]
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 [2-1]
“if you don’t have a big head, then you are not old.”
A. True B. False
- _____6. In $\triangle ABC$ $\angle A = 8x + 12$, $\angle B = 15x - 40$, and $\angle C = 10x + 10$. [5-2]
Determine the longest side of $\triangle ABC$.
A. \overline{AB} B. \overline{AC} C. \overline{CB} D. $\angle A$
- _____7. What is the midpoint of a line that has endpoints at (-2, -3) and (8, -1)? [1-4 A]
A. (6, -4) B. (6, -2) C. (3, -2) D. (-6, -4)
- _____8. If $\triangle ABC \cong \triangle HIM$, what must be true? [4-2]
A. $\angle B = \angle H$ B. $\angle M = \angle C$ C. $\overline{AC} = \overline{IH}$ D. $\overline{BC} = \overline{MH}$
- _____9. What is the distance from (4, 4) to (7, 5)? [1-3]
A. $\sqrt{2}$ B. $\sqrt{5}$ C. $\sqrt{10}$ D. $\sqrt{17}$
- _____10. \overline{BX} bisects $\angle ABC$. If $\angle ABX = 36^\circ$, what is $\angle ABC$? [1-5A]