Geometry Review Quiz 6

_____1. If A = (2, 8) and B = (4, 9), what is AB? [1-3]

A. $\sqrt{5}$ B. $\sqrt{6}$ C. $\sqrt{10}$ D. $\sqrt{14}$

_____2. What is the midpoint of a line that has endpoints at (2, 6) and (-2, 8)? [1-4A]

A. (0, 7) B. (1, 14) C. (1, 7) D. (0, 14)

_____3. If $\Delta ABC \cong \Delta HIM$, what must be true? [4-2]

A. $\angle B = \angle H$ B. $\angle M = \angle C$ C. $\overline{AC} = \overline{IH}$ D. $\overline{BC} = \overline{MH}$

_____4. If X is the midpoint of $\overline{CN}$ and CX = 2n – 10, what is CN? [1-4C]

A. n – 5 B. 4n – 20 C. 4n D. 40

_____5. In ΔABC $\angle A = 8x + 12$, $\angle B = 15x - 40$, and $\angle C = 10x + 10$. [5-2]
Determine the longest side of ΔABC.

A. $\overline{AB}$ B. $\overline{AC}$ C. $\overline{CB}$ D. $\angle A$

_____6. Which of triangle measurements below is a right triangle? [1-3]
(Think about Pythagorean Thm)

A. 2, 4, 7 B. 6, 8, 10 C. 11, 12, 13 D. 12, 14, 16

_____7. 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"? [2-2]

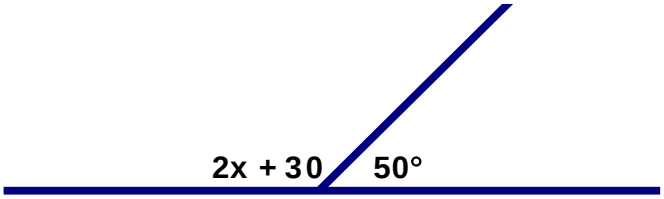
A. $q \rightarrow \sim p$ B. $\sim q \rightarrow p$ C. $p \rightarrow \sim q$ D. $\sim q \rightarrow \sim p$

_____8. Which set of numbers could be the sides of a triangle? [5-1]

A. 2, 3, 5 B. 3, 5, 7 C. 5, 2, 8 D. 1, 1, 2

_____9. What is the value of x in the figure below? [Ch. 3]

A. 10° B. 15° C. 50° D. 60°



_____10 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? [1-4B]

A. (4.5, 1.5) B. (4.5, 2) C. (9, 0) D. (9, 3)

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