Geometry Review Quiz 2

Name _____

_____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.   What is the converse of the following statement?   [2-1]
"If Joe goes fishing, then he needs bait."
A. If he needs bait, then Joe goes fishing.
B. If Joe does not go fishing, then he does not need bait.
C. If he does not need bait, then Joe does not go fishing.
D. If Joe goes fishing, then he does not need bait.

_____4.   Given the following measurements of a triangle, which is a right triangle?   [1-3]
A. 7 cm, 24 cm, 25 cm   B. 45cm, 40 cm, 35 cm
C. 51 cm, 50 cm, 48 cm   D. 45 cm, 35 cm, 25 cm

_____5.   In $\triangle ABC$ $\angle A = 5x + 19$, $\angle B = 12x - 22$, and $\angle C = 8x + 8$.   [5-2]
Determine the longest side of $\triangle ABC$.

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

_____6.   What do all of the angles inside a pentagon add up to?   [6-1]
A. 540°   B. 720°   C. 1080°   D. 1440°

_____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,   [2-2]
then you do not have a laptop"?
A. $q \rightarrow \sim p$ B. $\sim q \rightarrow p$ C. $p \rightarrow \sim q$ D. $\sim q \rightarrow \sim p$

_____8.   Which set of numbers could be the sides of a triangle?   [5-1]
A. 2, 3, 5   B. 3, 5, 9   C. 5, 2, 8   D. 1, 1, 2

_____9.   Which of the following doesn't prove congruency?   [4-2]
A. SSA   B. ASA   C. AAA   D. SSS

_____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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