Geometry Review Quiz 4

Name _____

_____1. Find the value of n: $\frac{5}{n+1} = \frac{7}{n+3}$ [7-1]

A. 1 B. 2 C. 3 D. 4

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

A. (3, 7) B. (3, 6) C. (6, 12) D. (-4, 12)

_____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. What is the distance from (1, 5) to (7, 6)? [1-3]

A. $\sqrt{37}$ B. $\sqrt{23}$ C. $\sqrt{24}$ D. None of the above

_____5. A triangle has leg lengths of 3, 4, and 4. The largest angle is 70°. [4-1]
What type of triangle is it?

A. Acute Scalene B. Acute Isosceles C. Obtuse Scalene D. None of these

_____6. What do all of the angles inside a pentagon add up to? [6-1]

A. 540° B. 720° C. 1080° D. 1440°

_____7. In ΔABC, $\angle A = 59°, \angle B = 60°,$ and $\angle C = 61°$. What side is longest? [5-2]

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

_____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 Let ***p*** represent $x^2 = 21$ and let ***q*** represent x is not a whole number. [2-2]
Which is a representation of "If x is a whole number, then $x^2 \neq 21$."

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