Honors Geometry Review Quiz 4

Name _____

_____1. In a right triangle the length of one leg is 63 cm and the other leg is 66 cm. [1-3]
What is the length of the hypotenuse to the nearest cm?
A. 91 cm B. 93 cm C. 98 cm D. 105 cm

_____2. In my class, everyone plays either golf or tennis. 14 play golf and 8 play tennis. [2-4]
If 3 play both tennis and golf, how many kids are in my class?
A. 17 B. 19 C. 22 D. 25

_____3. What would be the slope of the line that is perpendicular to y = 5x + 4? [4-4]
A. 5 B. -5 C. $\frac{1}{5}$ D. $-\frac{1}{5}$

_____4. On ΔABC, A = (3,4), B = (7, 8), and C = (11, 2). If X is the midpoint of $\overline{AB}$ [1-4A]
and Y is the midpoint of $\overline{CB}$, what is the midpoint between X and Y?
A. (6, 6) B. (7 ½ , 6) C. (8, 6 ½) D. (7, 5 ½)

_____5. A triangle has an angle of 20° and 70° [4-1]
What type of triangle is it?
A. Acute Scalene B. Right Isosceles C. Right Scalene D. None of these

_____6. If $\Delta ABC \cong \Delta XYZ$, which of the following must be true? [4-2]
A. $\angle A = \angle Z$ B. AC = XY C. XZ = BC D. None of the above

_____7. $\overrightarrow{BX}$ bisects $\angle ABC$. If $\angle ABX = 36°$, what is $\angle ABC$? [1-5A]

_____8. Consider the statement: "If an angle is 90 degrees, it is a right angle." [2-1]
Is the converse of this statement true or false?
A. True B. False

_____9. Assume the following: *p*: $\angle A$ is acute *q*: $\angle B$ is acute n: $\angle C$ is obtuse [2-2]
What would represent "$\angle C$ is obtuse; therefore, $\angle B$ is not acute."?
A. $n \therefore q$ B. $\sim n \therefore q$ C. $n \therefore \sim q$ D. q $\therefore \sim n$

_____10. Two sides of a tringle measure 8 cm and 12 cm. Which of the following **cannot** [5-1]
be the measurement of the third side?
A. 4 B. 10 C. 12 D. 18

Pledge Below