Geometry Review Quiz 31

Name _____

Put all answers to the multiple choice questions below. Use Capital Letters, please.

_____1.   If $\triangle ABC$ is an isosceles triangle with AC = BC and $\angle A = 60°$, what is $\angle B$?
 A. 40°   B. 70°   C. 80°   D. None of the above

_____2.   The inverse of "Bald mean are beautiful" is "If you are not bald, then you are not beautiful."
 A. True   B. False   C. None of the above.

_____3.   If $\angle A$ and $\angle B$ are vertical angles with $\angle A = 3n + 5$ and $\angle B = n + 15$,
 what is the measurement of $\angle B$?
 A. 65   B. 5   C. 20   D. None of the above

_____4.   What are the measures of two supplementary angles if the difference of their measures is $8°$?
 A. 39, 51   B. 41, 49   C. 86, 94   D. 76, 84

_____5.   If $\angle A$ and $\angle B$ are a linear pair with $\angle A = 3n + 5$ and $\angle B = n + 15$,
 what is the measurement of $\angle B$?
 A. 65   B. 5   C. 20   D. None of the above

_____6.   I have a total of 16 kids. If 11 of my kids play soccer and 9 play tennis,
 how many play both tennis and soccer?
 A. 2   B. 4   C. 8   D. 10

_____7.   Which could be the side lengths of a right triangle?
 A. 12, 15, 25   B. 11, 60, 61   C. 1, 2, 3   D. 27, 31, 37

_____8.   If two sides of a triangle are 6 cm and 8 cm, what must be true about the third side?
 A. $2 \leq m < 14$ B. $2 < m < 14$ C. $2 > m > 14$ D. $2 \leq m \leq 14$

_____9.   If $\triangle ABC \cong \triangle XYZ$, AB = 38, YZ = 28, and XY = 5x + 8, what is the value of x?
 A. 4   B. 6   C. 20   D. 30

_____10.   If $\triangle ABC \cong \triangle XYZ$, which of the following must be true?
 A. $\angle A = \angle Z$ B. AC = XY   C. XZ = BC   D. None of the above