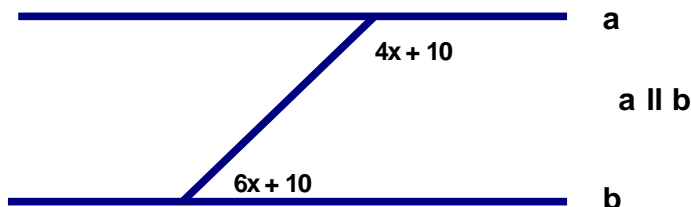# Honors Geometry Review Quiz 6

Name _____

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

_____1.  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"?

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

_____2.  If X is the midpoint of $\overline{CN}$ and CX = 2n – 10, what is CN?

     A.  n – 5           B.  4n – 20           C.  4n           D. 40

_____3.  What is the distance from (1, 5) to (5, 4)?

     A.  $\sqrt{37}$           B.  $\sqrt{23}$           C.  $\sqrt{17}$           D. None of the above

_____4.  If AB = 6 and AB + BC = 10, then 6 + BC = 10 demonstrates what property?

     A.  Subtraction           B.  Addition           C.  Substitution           D. Symmetric

_____5.  If two angles are **a linear pair** and one angle has a measurement of 8n while the other has a measurement of 2n + 100, what is the value of n?

     A.  4           B.  8           C.  16           D.  24

_____6.  What is the value of x in the figure below?

     A.  15°           B.  16°           C.  19°           D.  0°



a

4x + 10

a ll b

6x + 10

b

_____7.  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.

_____8.  Which of the following are the measurements of a right triangle?

     A.  3, 11, 15           B.  33, 44, 55           C.  55, 56, 65           D.  44, 117, 125

_____9.  Consider     p: the sum of two angles is 180°

                     q: the two angles are supplementary

What would represent "If two angles are not supplementary, then the sum of the two angles is not 180°"?

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

_____10.  What does the symbol $\cong$ mean?

     A.  similar           B.  equal to           C.  congruent           D.  approximately