# Geometry Review Quiz 5

Name _____

**Put all answers in the blank to the left of the question.**

_____1.    What is the midpoint of a line that has endpoints at (2, 3) and (6, 11)?
      A.  (5, 7)              B.  (4, 14)              C.  (8, 14)              D. (4, 7)

_____2.    A line segment has an endpoint at (3, 2).  If the midpoint of the line segment is (6, -2),
      what are the coordinates of the point at the other end of the line segment?
      A.  (4.5, 0)            B.  (0, 6)              C.  (9, 4)              D. (9, -6)

_____3.    Let $p$ represent $x^2 = 21$ and let $q$ represent x is not a whole number.
      Which is a representation of "If x is a whole number, then $x^2 \neq 21$."
      A.  $\sim p \rightarrow \sim q$          B.  $\sim p \rightarrow q$          C.  $p \rightarrow \sim q$              D.  $\sim q \rightarrow \sim p$

_____4.    What is the converse of the following statement?
      "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.

_____5.    What is the inverse of $\sim p \rightarrow q$?
      A.  $p \rightarrow \sim q$            B.  $\sim p \rightarrow \sim q$            C.  $q \rightarrow \sim p$              D.  $\sim q \rightarrow p$

_____6.    If $\angle A$ and $\angle B$ are a linear pair with $\angle A = n + 40$
      and $\angle B = 9n + 20$, what is the measurement of $\angle A$?
      A.  12              B.  22              C.  42              D.  52

_____7.    If $AB - NP = BC - NP$, then $AB = BC$ demonstrates what property?
      A.  Subtraction        B.  Addition        C.  Substitution        D. Symmetric

_____8.    If two angles are **vertical angles** and one angle has a measurement of 12n + 20 while the
      other has a measurement of 8n + 28, what is the measure of each angle?
      A.  36              B.  44              C.  52              D.  62

_____9.    If $\angle A$ and $\angle B$ are supplementary angles with $\angle A = 80°$, what is $\angle B$?
      A.  10°            B.  20°            C.  100°            D.  120°

_____10.    If C is between X and Y with CX = 8n – 4 and CY = 2n + 10, what is XY?
      A.  6n – 6            B.  6n – 14            C.  10n + 6            D.  10n – 6