Geometry Review Quiz 19

Name _____

_____1. 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

_____2. Which equation would be perpendicular to the $y = -\dfrac{1}{7}x + 3$?

     A. $y = -\dfrac{1}{7}x - 3$ B. $y = \dfrac{1}{7}x + 3$ C. y = 7x – 5   D. None of the above

_____3. If you walk 12 miles due East and then 16 miles due South, how far are you
from your starting point?
     A. 20 miles   B. 24 miles   C. 28 miles   D. 36 miles

_____4. If $\angle A$ and $\angle B$ are vertical angles with $\angle A = 2n + 60$
and $\angle B = 4n + 20$, what is the measurement of $\angle B$?
     A. 10   B. 20   C. 80   D. 100

_____5. 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. 22   B. 12   C. 52   D. 42

For 6-8 consider the statement "If you are nice, you have a lot of friends."

_____6. If you have a lot of friends, then you are nice is the ___ of above.
     A. Converse   B . Inverse   C. Contrapositive   D. Sublimation

_____7. If you are not nice, you don't have a lot of friends is the _____ of above.
     A. Converse   B . Inverse   C. Contrapositive   D. Sublimation

_____8. If you don't have a lot of friends, then you are not nice is the _____ of above.
     A. Converse   B . Inverse   C. Contrapositive   D. Sublimation

_____9. Let p represent $\sqrt{11} = z$, and let q represent z is a rational number.
What is a symbolic representation of the statement:
"If $\sqrt{11} = z$, then z is not a rational number"?
     A. $q \rightarrow p$ B. $p \rightarrow \sim q$ C. $\sim q \rightarrow p$ D. $q \rightarrow \sim p$

_____10. Give the equation in slope intercept form that goes through (3, 4) and (5, 10).

     A. y = 3x – 4   B. y = -3x + 13   C. y = 3x – 5   D. $y = \dfrac{1}{3}x + 3$