Geometry Review Quiz 1-3 D

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

_____1. What is the midpoint of a line that has endpoints at (0, 3) and (6, -1)?
A. (12, 2) B. (3, 1) C. (12, -5) D. (3, 2)

_____2. $\overrightarrow{BX}$ bisects $\angle ABC$. If $\angle ABX = 30°$, what is $\angle ABC$?
A. 15° B. 30° C. 60° D. 120°

_____3. True/False: If two lines are parallel, then consecutive interior angles are equal.
A. True B. False

_____4. Which description best describes a stop sign?
A. a regular convex octagon B. an irregular concave octagon
C. a regular concave octagon D. an irregular convex octagon

_____5. If you walk 35 miles due North and then 48 miles due West, rounded to the nearest mile how far are you from your starting point?
A. 13 miles B. 33 miles C. 59 miles D. 61 miles

_____6. If $\angle A = 80°$ and $\angle A$ and $\angle B$ are alternate interior angles on two parallel lines, then what is $\angle B$?
A. 10° B. 80° C. 100° D. 120°

_____7. The inverse of "if you are old, you have a big head" is
" if you don't have a big head, then you are not old."
A. True B. False

_____8. "If you like dogs, you like cats" is represented by p → q. What would be the symbolic representation of "if you don't like cats, you like dogs"?
A. ~p → q B. p → ~q C. ~q → p D. ~q → ~p

_____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 → p B. p → ~q C. ~q → p D. q → ~p

_____10. I have a total of 14 kids. If 10 of my kids play soccer and 12 play tennis, how many play both tennis and soccer?
A. 2 B. 4 C. 8 D. 10