

Geometry Review Quiz 4

Name _____

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

- _____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. 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. $10n - 6$
- _____3. What are the measures of two supplementary angles if the difference of their measures is 8° ?
A. 39, 51 B. 76, 84 C. 86, 94 D. 41, 49
- _____4. If $\angle A$ and $\angle B$ are complementary angles with $\angle A = 80^\circ$, what is $\angle B$?
A. 10° B. 20° C. 100° D. 120°
- _____5. A is at (-1, 2) and B is at (3, 8). What are the coordinates of the midpoint of \overline{AB} ?
A. (1, 4) B. (1, 5) C. (2, 5) D. (2, 4)
- _____6. 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
- _____7. If $\angle A$ and $\angle B$ are vertical angles with $\angle A = n + 60$ and $\angle B = 2n + 10$, what is the measurement of $\angle A$?
A. 110 B. 80 C. 20 D. None of the above
- _____8. Consider the statement "If you are nice, you have a lot of friends."
"If you have a lot of friends, then you are nice is the ____ of above.
A. Converse B. Inverse C. Contrapositive D. Sublimation
- _____9. If $AB + BC = XY + BC$, then $AB = XY$ demonstrates what property?
A. Subtraction B. Addition C. Substitution D. Symmetric
- _____10. I coach both soccer and tennis, which means I coach a total of 28 players. On my soccer team, there are 22 players with 6 of the 22 also playing tennis for me. How many total tennis players do I have? (Draw a Venn diagram to help you!)
A. 6 B. 10 C. 12 D. 14