

Geometry Review Quiz 17

Name _____

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

- _____ 1. If C is between X and Y with $XY = 6n - 4$ and $CY = n + 1$, what is CX?
 A. $5n - 3$ B. $5n - 5$ C. $7n - 3$ D. $7n - 5$

- _____ 2. What are the measures of two complementary angles if the difference of their measures is 8° ?
 A. 39, 51 B. 76, 84 C. 86, 94 D. 41, 49

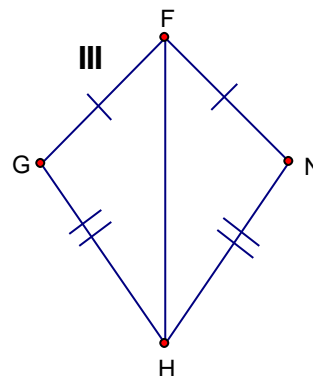
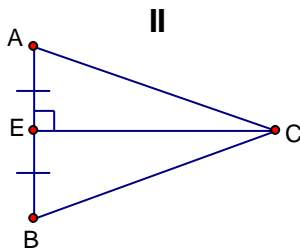
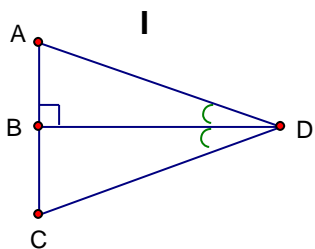
- _____ 3. Which equation would be perpendicular to the $y = -\frac{1}{7}x + 3$?
 A. $y = -\frac{1}{7}x - 3$ B. $y = \frac{1}{7}x + 3$ C. $y = 7x - 5$ D. None of the above

- _____ 4. 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

- _____ 5. Consider the statement: "If you live in Radford, you live in Virginia." Is the contrapositive of this statement true or false?
 A. True B. False

- _____ 6. "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 don't have a laptop"?
 A. $q \rightarrow p$ B. $p \rightarrow \sim q$ C. $\sim q \rightarrow p$ D. $q \rightarrow \sim p$

- _____ 7. If $\triangle ABC$ is an isosceles triangle with $AB = BC$, which statement must be true?
 A. $\angle C = \angle B$ B. $\angle A = \angle B$ C. $\angle A = \angle C$ D. $AC = BC$



- _____ 8. In picture I above, what allows you to immediately conclude that $\triangle ABD \cong \triangle CBD$?
 A. ASA B. SAS C. AAA D. SAA

- _____ 9. In picture II above, what allows you to immediately conclude that $\triangle AEC \cong \triangle BEC$?
 A. ASA B. SAS C. AAA D. SAA

- _____ 10. In picture III above, what allows you to immediately conclude that $\triangle FGH \cong \triangle FNH$?
 A. SSS B. SAS C. AAA D. SAA