Honors Geometry Review Quiz 24

Name _____

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

_____1. Which statement is the converse of "dogs have four legs"?
A. If you are not a dog, you don't have four legs.
B. If you have four legs, you are a dog.
C. If you don't have four legs, you are not a dog.
D. None of the above.

_____2. What is the distance from (3, 8) to (5, 12)?
A. $\sqrt{28}$ B. $\sqrt{20}$ C. $\sqrt{24}$ D. None of the above

_____3. If in ΔABC, $\angle A = 59°$ and $\angle B = 60°$. Which side of the triangle is longest?
A. $\overline{AB}$ B. $\overline{CB}$ C. $\overline{AC}$ D. $\overline{DB}$

_____4. In figure 1, there is a picture showing how Sally wants to use strings to mark parallel rows for a vegetable garden behind her house. If the measure of $\angle 1$ is 115°, what should be the measure of $\angle 2$?
A. 25° B. 65° C. 75° D. 115°

_____5. In Figure 2,two lines are cut by a transversal. Which type of angles are $\angle 1$ and $\angle 2$?
A. Vertical angles B. Corresponding Angles
C. Alternate interior angles D. Same-side interior angles

_____6. What is the equation in slope intercept form that goes through (3, 4) and (2, 6).
A. y = 2x + 4 B. y = -2x + 10 C. y = -2x – 10 D. None of the above

_____7. Fill in the blank: Solve for Θ: cos Θ = -.5

_____8. Consider p: the sum of two angles is 180°
q: the two angles are supplementary
What would represent "If two angles are not supplementary, then the sum of the two angles is not 180°"?
A. ~p → ~q B. ~q → ~p C. p → ~q D. ~q → p

_____9. In figure 3, what must BC be? (Think carefully on this one!)
A. less than 10 inches B. between 10 and 12 inches
C. between 12 and 22 inches D. greater than 22 inches

_____10. What equation would be perpendicular to y = 3x + 5
A. y = -3x + 5 B. y = 3x – 4 C. $y = -\frac{1}{3}x + 4$ D. None of the above

Figure 1

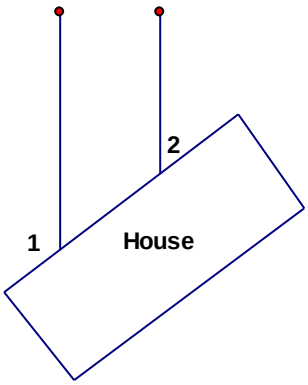

Figure 2

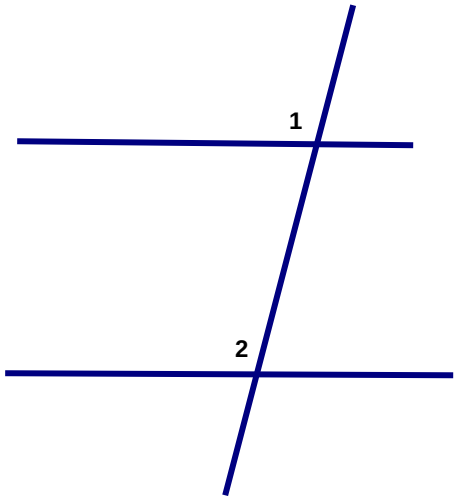

Figure 3