

Honors Geometry Review Quiz 18

Name _____

Figure 1

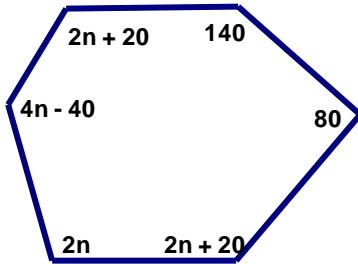


Figure 2

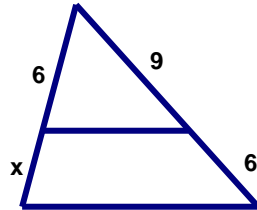
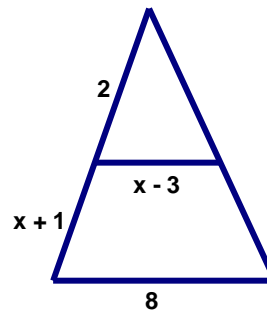


Figure 3



- _____ 1. What is the value of n in the figure 1 above?
A. 16 B. 20 C. 25 D. 50
- _____ 2. What is the value of x in the figure 2 above?
A. 2 B. 3 C. 4 D. 6
- _____ 3. What is the value of x in the figure 3 above?
A. 4 B. 5 C. 6 D. 8
- _____ 4. What is the distance from (3, 4) to (7, 6)?
A. $\sqrt{37}$ B. $\sqrt{20}$ C. $\sqrt{24}$ D. None of the above
- _____ 5. A is at (10, 3) and B is at (6, 0). If B is the midpoint of \overline{AC} , what are the coordinates of C?
A. (2, -3) B. (5, 3) C. (8, 6) D. None of the above
- _____ 6. Two sides of a triangle are 4 cm and 10 cm. What is a possible measurement of the third side?
A. 8 cm B. 2 cm C. 15 cm D. 14 cm
- _____ 7. If $\angle A$ and $\angle B$ are vertical angles with $\angle A = 3n + 5$ and $\angle B = 2n + 15$, what is the measurement of $\angle B$?
A. 10 B. 25 C. 35 D. None of the above
- _____ 8. 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
- _____ 9. Which of the following couldn't be the sides of a triangle?
A. 2, 4, 5 B. 7, 7, 7 C. 6, 2, 9 D. 6, 4, 5
- _____ 10. What equation would be perpendicular to $y = 3x + 5$
A. $y = -\frac{1}{3}x + 4$ B. $y = 3x - 4$ C. $y = -3x + 5$ D. None of the above