

Friday, October 8th

Due Today: Chapter 1 Practice Test

Algebrasket Ball

Rules:

Everybody works on the question on their own. Then, share your results with your table groups and decide what the group answer is going to be based on the information presented.

The group answer, and only the group answer gets written on the white board.

When shooting baskets:

One at a time

You can lean as far over the line as you can on your own without falling

If you make a basket, you get 1 point

If, when aiming for your basket, it accidentally goes into somebody else's basket, you get 2 points

You get the point based on where the ball ends up. If it bounces in the cup and then out of the cup, no points are awarded. If it bounces out of the cup and then into the cup, you get 1 point.

1) Solve the equation.

$$3(2x + 1) + x = -39$$

$$6x + 3 + x = -39$$

$$7x + 3 = -39$$
$$\begin{array}{r} 7x + 3 = -39 \\ \underline{-3 \quad -3} \end{array}$$

$$\frac{7x}{7} = \frac{-42}{7}$$

$$x = -6$$

2) Fill in the blanks so the equation has infinitely many solutions.

$$8a + 2 - 2a = \boxed{}(a - \boxed{})$$

$$6a + 2 = \boxed{6}(a - \boxed{-1/3})$$

3) Determine whether the equation has *one solution*, *no solutions*, or *infinitely many solutions*.

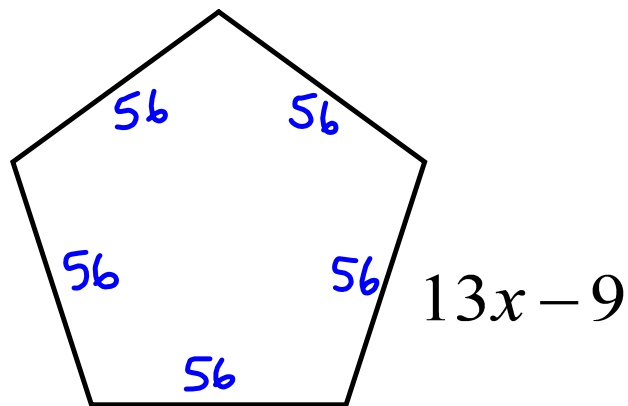
$$\frac{2}{3} \left(\frac{12x}{1} - \frac{9}{1} \right) = -3x - 5 + 11x$$

$$\cancel{8x} - 6 = \cancel{8x} - 5$$

$$-6 = -5$$

No Solutions

4) Find the perimeter of the regular polygon.



$$2(5x+3)$$

$$2(5(5)+3)$$

$$2(25+3)$$

$$2(28)$$

$$56$$

$$2(5x+3) = 13x-9$$

$$\begin{array}{r} 10x+6 = 13x-9 \\ -10x \quad -10x \\ \hline \end{array}$$

$$6 = 3x - 9$$

$$\begin{array}{r} +9 \quad +9 \\ \hline \end{array}$$

$$15 = 3x$$

$$\begin{array}{r} 3 \quad 3 \\ \hline \end{array}$$

$$5 = x$$

$$x = 5$$

$$P = 280 \text{ UNITS}$$

5) Solve the equation for y.

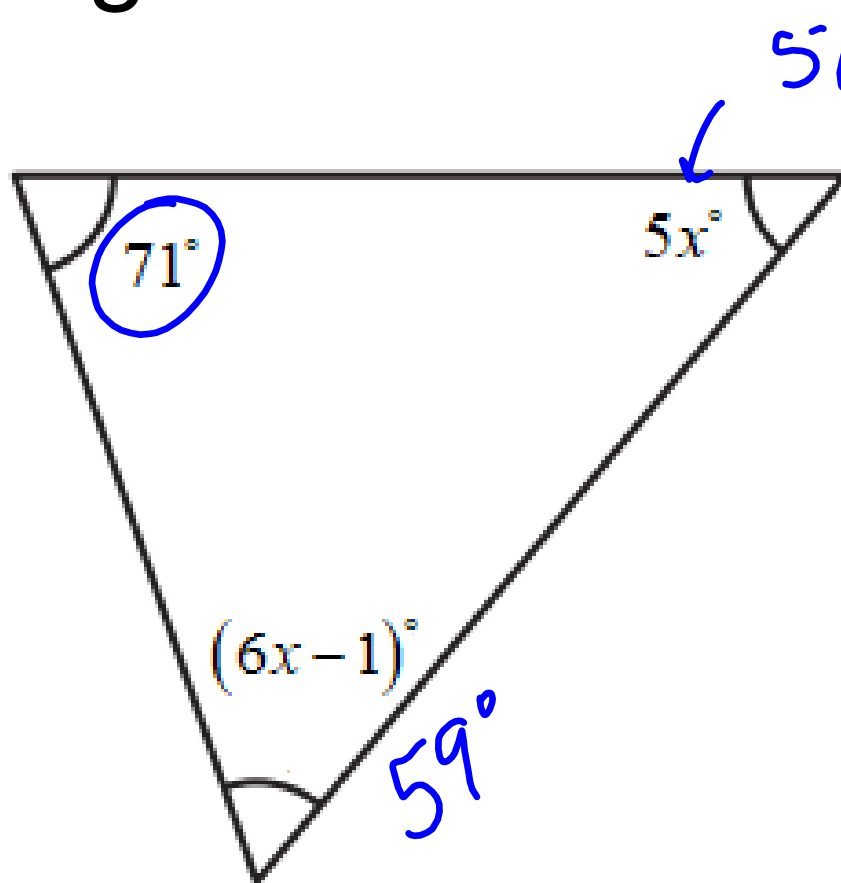
$$\begin{array}{r} 7x - 3y = -12 \\ -7x \\ \hline -3y = -12 - 7x \\ \frac{-3y}{-3} = \frac{-12 - 7x}{-3} \\ y = 4 + \frac{7}{3}x \end{array}$$

$$y = 4 + 7x$$

$$y = 4 - 7x$$

$$y = \frac{-12 + 7x}{-3}$$

6) Find each angle measure in the triangle.



$$71 + 5x + 6x - 1 = 180$$

$$\begin{array}{r} 11x + 70 = 180 \\ -70 \quad -70 \\ \hline \end{array}$$

$$\frac{11x}{11} = \frac{110}{11}$$

$$x = 10$$

Practice:

None Today