

REVIEW WORKSHEET #1 – Chapter 1

Name _____

Solve each equation for x . Show all of your work.

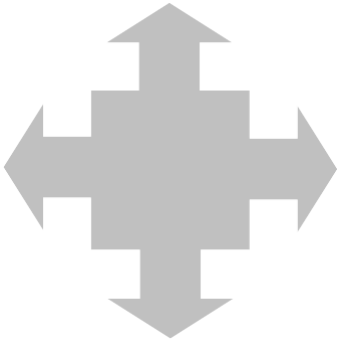
1. $8(x+3) - 4 = 2(x-9) + 50$

2. $5x - (7 - 2x) = 16 + 2(x - 4)$

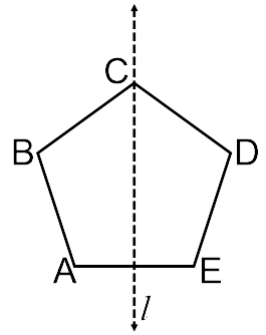
3. $\frac{2}{3}x - \frac{1}{12} = \frac{5}{6}x$

4. $\frac{2}{x+5} = \frac{6}{x-3}$

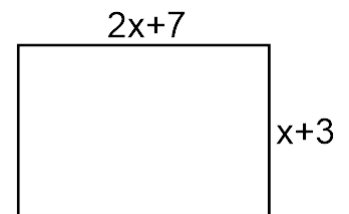
5. Draw in any lines of symmetry.



6. In the figure below, line l is a line of symmetry, $m\angle B = 7x - 6$, and $m\angle D = 3x + 8$. Use this information to write an equation and solve for x .



7. The area of the rectangle below is $2x^2 + 5x + 5$ square cm. Use this information to write an equation and solve for x .



REVIEW WORKSHEET #2 – Chapter 1

Name _____

Solve each equation for x. Show all of your work.

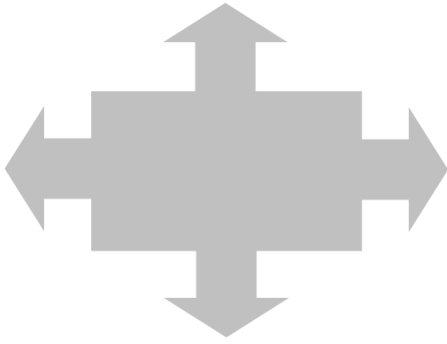
1. $4(x+5) - 3 = -2(x-6) - 37$

2. $5x - (6+3x) = 6 - 4(3-2x)$

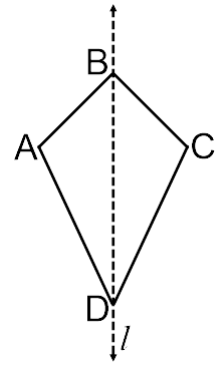
3. $\frac{3}{4}x - \frac{5}{24} = \frac{2}{3}x$

4. $\frac{2}{x+5} = \frac{3}{-15-x}$

5. Draw in any lines of symmetry.



6. In the figure below, line l is a line of symmetry, $AB = 3x + 25$, and $BC = 19 + 2x$. Use this information to write an equation and solve for x .



7. The area of the rectangle below is $6x^2 + 8x - 45$ square cm. Use this information to write an equation and solve for x .

