

Retake

Multi-Step Equations & Equations with a Variable on Both Sides

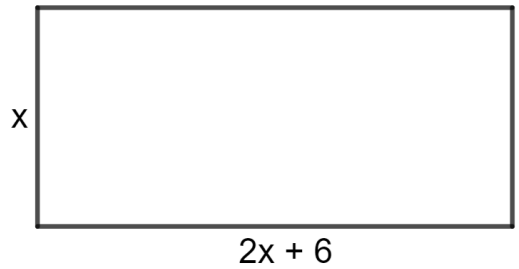
80 Level

What is the value of x ? **Explain.**

$$5(x + 9) - 2(1 - x) = 1$$

90 Level

The perimeter of the rectangle is 228 feet. What is the length of each side of the rectangle?



100 Level

Use the whole numbers 1 through 10, at most once time each, to create an equation where the value of x is 6.

Explain.

$$\frac{\boxed{\cdot\cdot}\boxed{\cdot\cdot}}{\boxed{\cdot\cdot}\boxed{\cdot\cdot}} (x + \boxed{\cdot\cdot\cdot\cdot}\boxed{\cdot\cdot}) = \boxed{\cdot\cdot\cdot\cdot}\boxed{\cdot\cdot}$$

80 Level

What is the value of x? **Explain.**

$$0.75(x + 20) = 2 + 0.5(x - 2)$$

90 Level

If $\frac{4}{x} = \frac{12}{2x+9}$, what is the value of $\frac{x}{3}$? **Explain.**

100 Level

Use the digits 1 to 9, at most one time each, to fill in the boxes to make an equation where the value of x is 1.
Explain.

$$\boxed{}x + \boxed{} = \boxed{}x - \boxed{}$$