

$$6x - 4x = 2x$$

$$-12(-2x + 1) = 5 + 24x$$

$$\frac{x}{9} - 4 = \frac{2}{3}$$

$$3[x - (-4)] = x + 12 + 2x$$

Create your own Equation that has  
**Infinitely Many Solutions**  
and solve to verify

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Create your own Equation that has  
**No Solution**  
and solve to verify

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$$6x - 4x = 2x$$

$$2x = 2x$$

Inf. Sol.

$$-12(-2x + 1) = 5 + 24x$$

$$\begin{array}{r} 24x - 12 = 5 + 24x \\ -24x \quad \quad -24x \end{array}$$

$$-12 = 5$$

No Solution

$$\begin{array}{r} \frac{x}{9} - 4 = \frac{2}{3} \\ +4 \quad \quad +4 \end{array}$$

$$9 \cdot \frac{x}{9} = 4 \frac{2}{3} \cdot 9$$

$$x = \frac{14}{3} \cdot \frac{9}{1} =$$

$$x = 42$$

$$3[x - (-4)] = x + 12 + 2x$$

$$3(x + 4) = x + 12 + 2x$$

$$3x + 12 = x + 12 + 2x$$

$$3x + 12 = 3x + 12$$

Inf. Sol.

Create your own Equation that has  
**Infinitely Many Solutions**  
and solve to verify

$$8x + 4x = 4x + 8x$$

$$7x + 5 = 7x + 5$$

$$3(2x - 5) = -15 + 6x$$

$$\begin{array}{r} 6x - 15 = -15 + 6x \\ +15 \quad \quad +15 \end{array}$$

$$6x = 6x$$

Create your own Equation that has  
**No Solution**  
and solve to verify

$$-6(-6x + 1) = 5 + 36x$$

$$\begin{array}{r} 36x - 6 = 5 + 36x \\ -36x \quad \quad -36x \end{array}$$

$$-6 = 5$$