$$\frac{\{-3j+9\}}{\{6x\}} = 6c$$

Let's solve for c.

$\frac{-3j+9}{6x} = 6c$

Step 1: Multiply both sides by 2x.

$-j + 3 = 12cx$

Step 2: Flip the equation.

$12cx = -j + 3$

Step 3: Divide both sides by 12x.

$\frac{12cx}{12x} = \frac{-j+3}{12x}$

$c = \frac{-j+3}{12x}$

Answer:

$c = \frac{-j+3}{12x}$

Let's solve for j.

$\frac{-3j+9}{6x} = 6c$

Step 1: Multiply both sides by 2x.

$-j + 3 = 12cx$

Step 2: Add -3 to both sides.

$-j + 3 + -3 = 12cx + -3$

$-j = 12cx - 3$

Step 3: Divide both sides by -1.

$\frac{-j}{-1} = \frac{12cx-3}{-1}$

$j = -12cx + 3$

Answer:

$j = -12cx + 3$

Let's solve for x.

$$\frac{-3j+9}{6x} = 6c$$

Step 1: Multiply both sides by 2x.

$$-j + 3 = 12cx$$

Step 2: Flip the equation.

$$12cx = -j + 3$$

Step 3: Divide both sides by 12c.

$$\frac{12cx}{12c} = \frac{-j+3}{12c}$$

$$x = \frac{-j+3}{12c}$$

Answer:

$$x = \frac{-j+3}{12c}$$