$$\frac{\{3\}}{\{x+9\}} = h$$

Let's solve for h.

$$\frac{3}{x+9} = h$$

Step 1: Multiply both sides by x+9.

$$3 = hx + 9h$$

Step 2: Flip the equation.

$$hx + 9h = 3$$

Step 3: Factor out variable h.

$$h(x + 9) = 3$$

Step 4: Divide both sides by x+9.

$$\frac{h(x+9)}{x+9} = \frac{3}{x+9}$$

$$h = \frac{3}{x+9}$$

Answer:

$$h = \frac{3}{x+9}$$

Let's solve for x.

$$\frac{3}{x+9} = h$$

Step 1: Multiply both sides by x+9.

$$3 = hx + 9h$$

Step 2: Flip the equation.

$$hx + 9h = 3$$

Step 3: Add -9h to both sides.

$$hx + 9h + -9h = 3 + -9h$$

$$hx = -9h + 3$$

Step 4: Divide both sides by h.

$$\frac{hx}{h} = \frac{-9h+3}{h}$$

$$x = \frac{-9h+3}{h}$$

Answer:

$$x = \frac{-9h+3}{h}$$