$$\frac{\{x+6i\}}{\{-4h\}} = -2g + 2z$$

Let's solve for g.

$\frac{x+6i}{-4h} = -2g + 2z$

Step 1: Multiply both sides by 4h.

$-6i - x = -8gh + 8hz$

Step 2: Flip the equation.

$-8gh + 8hz = -6i - x$

Step 3: Add -8hz to both sides.

$-8gh + 8hz + -8hz = -6i - x + -8hz$

$-8gh = -8hz - 6i - x$

Step 4: Divide both sides by -8h.

$\frac{-8gh}{-8h} = \frac{-8hz-6i-x}{-8h}$

$g = \frac{8hz+6i+x}{8h}$

Answer:

$g = \frac{8hz+6i+x}{8h}$

Let's solve for h.

$\frac{x+6i}{-4h} = -2g + 2z$

Step 1: Multiply both sides by 4h.

$-6i - x = -8gh + 8hz$

Step 2: Flip the equation.

$-8gh + 8hz = -6i - x$

Step 3: Factor out variable h.

$h(-8g + 8z) = -6i - x$

Step 4: Divide both sides by -8g+8z.

$\frac{h(-8g+8z)}{-8g+8z} = \frac{-6i-x}{-8g+8z}$

$h = \frac{-6i-x}{-8g+8z}$

Answer:

$h = \frac{-6i-x}{-8g+8z}$

Let's solve for i.

$$\frac{x+6i}{-4h} = -2g + 2z$$

Step 1: Multiply both sides by 4h.

$$-6i - x = -8gh + 8hz$$

Step 2: Add x to both sides.

$$-6i - x + x = -8gh + 8hz + x$$

$$-6i = -8gh + 8hz + x$$

Step 3: Divide both sides by -6.

$$\frac{-6i}{-6} = \frac{-8gh+8hz+x}{-6}$$

$$i = \frac{4}{3}gh + \frac{-4}{3}hz + \frac{-1}{6}x$$

Answer:

$$i = \frac{4}{3}gh + \frac{-4}{3}hz + \frac{-1}{6}x$$

Let's solve for x.

$$\frac{x+6i}{-4h} = -2g + 2z$$

Step 1: Multiply both sides by 4h.

$$-6i - x = -8gh + 8hz$$

Step 2: Add 6i to both sides.

$$-6i - x + 6i = -8gh + 8hz + 6i$$

$$-x = -8gh + 8hz + 6i$$

Step 3: Divide both sides by -1.

$$\frac{-x}{-1} = \frac{-8gh+8hz+6i}{-1}$$

$$x = 8gh - 8hz - 6i$$

Answer:

$$x = 8gh - 8hz - 6i$$

Let's solve for z.

$$\frac{x+6i}{-4h} = -2g + 2z$$

Step 1: Multiply both sides by 4h.

$$-6i - x = -8gh + 8hz$$

Step 2: Flip the equation.

$$-8gh + 8hz = -6i - x$$

Step 3: Add 8gh to both sides.

$$-8gh + 8hz + 8gh = -6i - x + 8gh$$

$$8hz = 8gh - 6i - x$$

Step 4: Divide both sides by 8h.

$$\frac{8hz}{8h} = \frac{8gh-6i-x}{8h}$$

$$z = \frac{8gh-6i-x}{8h}$$

Answer:

$$z = \frac{8gh-6i-x}{8h}$$