$$\frac{\{x-3i\}}{\{-2m\}} = h$$

Let's solve for h.

$\frac{x-3i}{-2m} = h$

Step 1: Multiply both sides by 2m.

$3i - x = 2hm$

Step 2: Flip the equation.

$2hm = 3i - x$

Step 3: Divide both sides by 2m.

$\frac{2hm}{2m} = \frac{3i-x}{2m}$

$h = \frac{3i-x}{2m}$

Answer:

$h = \frac{3i-x}{2m}$

Let's solve for i.

$\frac{x-3i}{-2m} = h$

Step 1: Multiply both sides by 2m.

$3i - x = 2hm$

Step 2: Add x to both sides.

$3i - x + x = 2hm + x$

$3i = 2hm + x$

Step 3: Divide both sides by 3.

$\frac{3i}{3} = \frac{2hm+x}{3}$

$i = \frac{2}{3}hm + \frac{1}{3}x$

Answer:

$i = \frac{2}{3}hm + \frac{1}{3}x$

Let's solve for m.

$\frac{x-3i}{-2m} = h$

Step 1: Multiply both sides by 2m.

$3i - x = 2hm$

Step 2: Flip the equation.

$2hm = 3i - x$

Step 3: Divide both sides by 2h.

$\frac{2hm}{2h} = \frac{3i-x}{2h}$

$m = \frac{3i-x}{2h}$

Answer:

$m = \frac{3i-x}{2h}$

Let's solve for x.

$\frac{x-3i}{-2m} = h$

Step 1: Multiply both sides by 2m.

$3i - x = 2hm$

Step 2: Add -3i to both sides.

$3i - x + -3i = 2hm + -3i$

$-x = 2hm - 3i$

Step 3: Divide both sides by -1.

$\frac{-x}{-1} = \frac{2hm-3i}{-1}$

$x = -2hm + 3i$

Answer:

$x = -2hm + 3i$