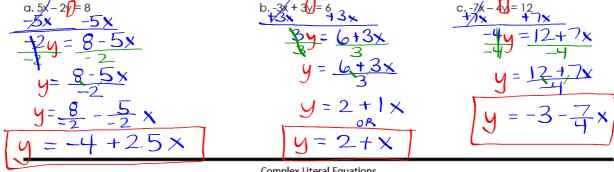
Foundations of Algebra

Unit 4: Equations & Inequalities

Notes

Day 5 – Isolating a Variable (Complex)

One of the most important skills you will encounter for the next two units is the ability to take an equation in standard form (Ax + By = C) and solve for y. You had a few problems from yesterday like this, but take some time to practice a few more.



Complex Literal Equations

$$\frac{5x + y}{2} = 2 \text{ for a}$$

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$$\frac{3^{b.} d - \frac{3}{4}y \prod_{f \in \mathcal{Y}} for b}{C - \frac{3}{4}y = b}$$

$$H^{2}_{\text{c. }P = \frac{1.2W}{H^{2}} \text{ for } W}$$

$$\frac{H^{2}P}{1.2} = \frac{1.2W}{1.2}$$

$$\frac{H^{2}P}{1.2} = W$$

5. 0 .5
$$\frac{e^{3\alpha x-n}-4/\text{for } x}{3\alpha x-h} = 20$$

$$\frac{3\alpha x}{3\alpha} = \frac{20+n}{3\alpha}$$

$$X = \frac{20+n}{3\alpha}$$