3.3: Inverse Operations – Fractions (Dividing)

Skill 4: Inverse Operations – Fractions (Dividing)

In the following equations, do the INVERSE or OPPOSITE operation.

Example	Steps
$$\frac{x}{4} = 2$$	1) Solve for the variable by multiplying by the number in the denominator. 2) Multiply to get the variable by itself.

Examples

1. Find the value of the variable:

a) $\dfrac{x}{6} = 2$

b) $-\dfrac{x}{4} = -3$

c) $\dfrac{3x}{4} = -9$

d) $-\dfrac{5}{2}x = 25$

Skill 5: Solving First Degree Equations with Fractional Coefficients

In the following equations, do the INVERSE or OPPOSITE operation.

Examples

1. Find the value of the variable:

a) $\dfrac{w}{6} + 3 = -22$

b) $5 = -\dfrac{y}{4} - 6$

c) $\dfrac{16}{5}y + 2 = 34$

d) $-80 = -\dfrac{2}{3}x - 6$

e) $1 - \dfrac{y}{4} = 11$

f) $\dfrac{2y}{3} + \dfrac{1}{3} = -2$

Homework: p. 294 #3 (odd), p. 295 #5 (odd), p. 296 #14, 15 (odd)