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# Rational Equations

## Practice Worksheet A

### 1 Practice Problems

Solve each equation by finding the value of x.

1)  $\frac{x}{5} + \frac{2}{3} = 3$

5)  $\frac{1}{2} + \frac{x}{4} = \frac{3}{4}$

2)  $\frac{3x}{2} + \frac{1}{4} = 9$

6)  $\frac{1}{6} + \frac{2}{x} = \frac{1}{3}$

3)  $\frac{x}{3} - \frac{1}{6} = 5$

7)  $\frac{2}{3} - \frac{1}{5} = \frac{7}{3x}$

4)  $\frac{x}{6} + \frac{3}{4} = 7$

8)  $\frac{1}{3} - \frac{1}{x} = \frac{5}{6}$

# Rational Equations

## Practice Worksheet A

### 1 Practice Problems

Solve each equation by finding the value of x.

1)  $\frac{x}{5} + \frac{2}{3} = 3$

$x = 13$

5)  $\frac{1}{2} + \frac{x}{4} = \frac{3}{4}$

$x = 1$

2)  $\frac{3x}{2} + \frac{1}{4} = 9$

$x = 7$

6)  $\frac{1}{6} + \frac{2}{x} = \frac{1}{3}$

$x = 12$

3)  $\frac{x}{3} - \frac{1}{6} = 5$

$x = 16$

7)  $\frac{2}{3} - \frac{1}{5} = \frac{7}{3x}$

$x = 5$

4)  $\frac{x}{6} + \frac{3}{4} = 7$

$x = 6$

8)  $\frac{1}{3} - \frac{1}{x} = \frac{5}{6}$

$x = -2$