

**Linear Equations****Multi-Step Equations****Multi-Step Rational**

1. 
$$\frac{8}{3x-2} = \frac{2}{x-1}$$

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

3. 
$$\frac{2}{x+1} = 4 - \frac{2x}{x+1}$$

4. 
$$\frac{3}{x+4} = \frac{2}{x+3}$$

5. 
$$\frac{5}{x-2} = \frac{4}{x-1}$$

6. 
$$\frac{3}{x+4} = \frac{2}{x+3}$$

7. 
$$\frac{x}{x-5} + 2 = \frac{2}{x-5}$$

8. 
$$\frac{x}{x-3} - 4 = \frac{6}{x-3}$$

9. 
$$\frac{6}{x+1} + 3 = \frac{3}{x+1}$$

10. 
$$\frac{4}{x+5} = \frac{4}{2x-3}$$

## Answers

### Linear Equations

### Multi-Step Equations

### Multi-Step Rational

1.  $x = 2$

2.  $x = 6$

3. No Solution

4.  $x = -1$

5.  $x = -3$

6.  $x = -1$

7.  $x = 4$

8.  $x = 2$

9.  $x = -2$

10.  $x = 8$