

Simplifying Algebraic Fractions (H)

Name: _____

Date: _____

Simplify each expression as a single fraction.

1. $\frac{9x}{9} + \frac{x}{8}$

2. $\frac{3x}{6} + \frac{x-3}{3}$

3. $\frac{2x}{6} + \frac{x-2}{8}$

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

5. $\frac{4x}{6} - \frac{x-1}{4}$

6. $\frac{2x}{7} + \frac{x+3}{8}$

7. $\frac{6x}{3} - \frac{x-2}{3}$

8. $\frac{8x}{8} + \frac{x-2}{3}$

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

10. $\frac{8x}{3} - \frac{x-1}{8}$

Simplifying Algebraic Fractions (H) Answers

Name: _____

Date: _____

Simplify each expression as a single fraction.

1. $\frac{9x}{9} + \frac{x}{8}$

$$\frac{9x}{8}$$

2. $\frac{3x}{6} + \frac{x-3}{3}$

$$\frac{5x-6}{6}$$

3. $\frac{2x}{6} + \frac{x-2}{8}$

$$\frac{11x-6}{24}$$

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

$$\frac{8x-2}{3}$$

5. $\frac{4x}{6} - \frac{x-1}{4}$

$$\frac{5x+3}{12}$$

6. $\frac{2x}{7} + \frac{x+3}{8}$

$$\frac{23x+21}{56}$$

7. $\frac{6x}{3} - \frac{x-2}{3}$

$$\frac{5x+2}{3}$$

8. $\frac{8x}{8} + \frac{x-2}{3}$

$$\frac{4x-2}{3}$$

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

$$\frac{3x-14}{14}$$

10. $\frac{8x}{3} - \frac{x-1}{8}$

$$\frac{61x+3}{24}$$