

Simplifying Algebraic Fractions (J)

Name: _____

Date: _____

Simplify each expression as a single fraction.

1. $\frac{6x}{6} + \frac{x-1}{8}$

2. $\frac{x}{6} - \frac{x-1}{3}$

3. $\frac{5x}{6} - \frac{x+3}{8}$

4. $\frac{3x}{7} - \frac{x+1}{8}$

5. $\frac{8x}{7} - \frac{x+3}{8}$

6. $\frac{2x}{9} - \frac{x+3}{8}$

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

8. $\frac{4x}{9} + \frac{x}{2}$

9. $\frac{9x}{9} + \frac{x-1}{4}$

10. $\frac{9x}{3} - \frac{x-1}{5}$

Simplifying Algebraic Fractions (J) Answers

Name: _____

Date: _____

Simplify each expression as a single fraction.

1. $\frac{6x}{6} + \frac{x-1}{8}$

$$\frac{9x-1}{8}$$

2. $\frac{x}{6} - \frac{x-1}{3}$

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

3. $\frac{5x}{6} - \frac{x+3}{8}$

$$\frac{17x-9}{24}$$

4. $\frac{3x}{7} - \frac{x+1}{8}$

$$\frac{17x-7}{56}$$

5. $\frac{8x}{7} - \frac{x+3}{8}$

$$\frac{57x-21}{56}$$

6. $\frac{2x}{9} - \frac{x+3}{8}$

$$\frac{7x-27}{72}$$

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

$$\frac{11x}{14}$$

8. $\frac{4x}{9} + \frac{x}{2}$

$$\frac{17x}{18}$$

9. $\frac{9x}{9} + \frac{x-1}{4}$

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

10. $\frac{9x}{3} - \frac{x-1}{5}$

$$\frac{14x+1}{5}$$