

Simplifying Algebraic Fractions (A)

Name: _____

Date: _____

Simplify each expression as a single fraction.

1. $\frac{4x}{6} + \frac{x+3}{6}$

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

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

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

5. $\frac{6x}{4} + \frac{x-2}{7}$

6. $\frac{8x}{9} + \frac{x+3}{4}$

7. $\frac{4x}{7} - \frac{x-1}{9}$

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

9. $\frac{9x}{3} + \frac{x-3}{5}$

10. $\frac{5x}{8} + \frac{x+1}{6}$

Simplifying Algebraic Fractions (A) Answers

Name: _____

Date: _____

Simplify each expression as a single fraction.

1. $\frac{4x}{6} + \frac{x+3}{6}$

$$\frac{5x+3}{6}$$

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

$$\frac{25x-2}{9}$$

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

$$\frac{x}{3}$$

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

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

5. $\frac{6x}{4} + \frac{x-2}{7}$

$$\frac{23x-4}{14}$$

6. $\frac{8x}{9} + \frac{x+3}{4}$

$$\frac{41x+27}{36}$$

7. $\frac{4x}{7} - \frac{x-1}{9}$

$$\frac{29x+7}{63}$$

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

$$\frac{8x+21}{21}$$

9. $\frac{9x}{3} + \frac{x-3}{5}$

$$\frac{16x-3}{5}$$

10. $\frac{5x}{8} + \frac{x+1}{6}$

$$\frac{19x+4}{24}$$