

Simplifying Algebraic Fractions (C)

Name: _____

Date: _____

Simplify each expression as a single fraction.

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

2. $\frac{2x}{8} - \frac{x-1}{9}$

3. $\frac{5x}{7} + \frac{x-1}{2}$

4. $\frac{7x}{6} + \frac{x+3}{5}$

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

6. $\frac{4x}{2} - \frac{x-2}{2}$

7. $\frac{x}{5} - \frac{x+1}{6}$

8. $\frac{3x}{2} + \frac{x+1}{8}$

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

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

Simplifying Algebraic Fractions (C) Answers

Name: _____

Date: _____

Simplify each expression as a single fraction.

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

$$\frac{41x-14}{56}$$

2. $\frac{2x}{8} - \frac{x-1}{9}$

$$\frac{5x+4}{36}$$

3. $\frac{5x}{7} + \frac{x-1}{2}$

$$\frac{17x-7}{14}$$

4. $\frac{7x}{6} + \frac{x+3}{5}$

$$\frac{41x+18}{30}$$

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

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

6. $\frac{4x}{2} - \frac{x-2}{2}$

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

7. $\frac{x}{5} - \frac{x+1}{6}$

$$\frac{x-5}{30}$$

8. $\frac{3x}{2} + \frac{x+1}{8}$

$$\frac{13x+1}{8}$$

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

$$\frac{10x}{9}$$

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

$$\frac{47x-10}{35}$$