

3.3 Add and Subtract Rational Expressions

Corrective Assignment

Perform the indicated operation and reduce to lowest terms.

1. $\frac{4x+y}{8y} - \frac{5x-y}{8y}$

2. $\frac{3}{30b^2} + \frac{a-b}{30b^2}$

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

4. $\frac{5}{x-5} - (4x - 1)$

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

6. $\frac{2b+2}{b-6} + 2$

7. $\frac{x+6}{x^2+9x+18} + \frac{5}{2x^2+12x}$

8. $\frac{4r}{(r+1)^2} - \frac{r-6}{r^2+7r+6}$

ANSWERS TO CORRECTIVE ASSIGNMENT

1. $\frac{-x+2y}{8y}$	2. $\frac{3+a-b}{30b^2}$	3. $\frac{-2n+28}{(n-2)(n+6)}$	4. $\frac{-4x^2+21x}{x-5}$
5. $\frac{6x^2-12x}{5x(3x-1)}$	6. $\frac{4b-10}{b-6}$	7. $\frac{2x^2+17x+15}{2x(x+3)(x+6)}$	8. $\frac{3r^2+29r+6}{(r+6)(r+1)(r+1)}$