

Corrective Assignment**Perform the indicated operation. LIKE DENOMINATORS**

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

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

3. $\frac{a-b}{8a} - \frac{6b}{8a}$

4. $\frac{x-4y}{12x^2} - \frac{x+7y}{12x^2}$

Perform the indicated operation. UNLIKE DENOMINATORS

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

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

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

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

9. $\frac{n-6}{n-4} + \frac{4n}{5}$

10. $\frac{x-2}{x(x-3)} - \frac{4}{3x}$

$$11. \frac{5n}{3n-6} - \frac{4}{n^2-6n+8}$$

$$12. \frac{2m}{m^2-1} + \frac{m-1}{m^2+m-2}$$

$$13. \frac{x+6}{x^2+9x+18} + \frac{5}{2x^2+12x}$$

$$14. \frac{4r}{(r+1)^2} - \frac{r-6}{r^2+7r+6}$$

Simplify. COMPLEX FRACTIONS

$$15. \frac{\frac{u^2}{8}}{\frac{2}{u} - \frac{1}{u}}$$

$$16. \frac{\frac{u^2}{2} + \frac{1}{u}}{\frac{u-1}{4}}$$

$$17. \frac{\frac{a^2}{10} + \frac{a}{5}}{\frac{1}{a} + \frac{9}{2a}}$$

$$18. \frac{\frac{5}{2} + \frac{5}{2}}{\frac{25}{4} - \frac{4}{5x}}$$

$$19. \frac{\frac{4}{x} + \frac{x}{2}}{\frac{1}{2} - \frac{1}{8}}$$

$$20. \frac{\frac{1}{2} + \frac{2}{3}}{\frac{2}{x-3} + \frac{2}{9}}$$

Answers to 10.3 Corrective Assignment

1. $\frac{-x+2y}{8y}$	2. $\frac{3+a-b}{30b^2}$	3. $\frac{a-7b}{8a}$	4. $\frac{-11y}{12x^2}$	5. $\frac{-2n+28}{(n-2)(n+6)}$
6. $\frac{x+30}{(x-5)(x+2)}$	7. $\frac{6x^2-12x}{5x(3x-1)}$	8. $\frac{4b-10}{b-6}$	9. $\frac{4n^2-11n-30}{5(n-4)}$	10. $\frac{-x+6}{3x(x-3)}$
11. $\frac{5n^2-20n-12}{3(n-4)(n-2)}$	12. $\frac{3m^2+4m-1}{(m+2)(m+1)(m-1)}$	13. $\frac{2x^2+17x+15}{2x(x+3)(x+6)}$	14. $\frac{3r^2+29r+6}{(r+6)(r+1)(r+1)}$	15. $\frac{u^3}{8}$
16. $\frac{2u^3+4}{u^2-u}$	17. $\frac{2a^3+4a^2}{110} = \frac{a^3+2a^2}{55}$	18. $\frac{100x}{125x-16}$	19. $\frac{32+4x^2}{3x}$	20. $\frac{21x-63}{24+4x}$