

HERE ARE SOME PROBLEMS TO PICK FOR TEST CORRECTIONS ON CHAPTER 9... YOU CAN ALSO USE THE BOOK TO FIND YOUR OWN PROBLEMS

**Simplify each expression.**

$$\frac{(2m^3n^2)^3}{-18m^5n^4}$$

$$\frac{1}{6c^2d} + \frac{3}{4cd^3}$$

$$\frac{x^2 - 5x - 24}{6x + 2x^2} \cdot \frac{5x^2}{8 - x}$$

$$\frac{2p - 3}{p^2 - 5p + 6} - \frac{5}{p^2 - 9}$$

$$\frac{1}{5n} - \frac{3}{4} + \frac{7}{10n}$$

$$\frac{2s^2 - 7s - 15}{(s + 4)^2} \div \frac{s^2 - 10s + 25}{s + 4}$$

**Find the LCM of each set of polynomials.**

$$24p^7q, 30p^2q^2, 45pq^3$$

$$9x^2 - 12x + 4, 3x^2 + 10x - 8$$

$$3x^2 - 18x + 27, 2x^3 - 4x^2 - 6x$$

**Solve each equation**

$$8 - \frac{4}{z} = \frac{8z - 8}{z + 2}$$

$$\frac{12s + 19}{s^2 + 7s + 12} - \frac{3}{s + 3} = \frac{5}{s + 4}$$