

**Simplify the expression if possible.**

\_\_\_\_\_ 1.  $\frac{8x^3}{40x^5}$

\_\_\_\_\_ 2.  $\frac{12x^4y^8z^2}{42x^2y^6z}$

\_\_\_\_\_ 3.  $\frac{x^2 + 5x + 4}{3x + 12}$

\_\_\_\_\_ 4.  $\frac{x - 3}{x^2 - 9}$

\_\_\_\_\_ 5.  $\frac{x + 5}{x^2 - 25}$

\_\_\_\_\_ 6.  $\frac{x^2 + 4x}{x^2 - 9x}$

\_\_\_\_\_ 7.  $\frac{x^2 + 4x - 45}{4x^2 - 36x}$

\_\_\_\_\_ 8. Divide  $(2x^2 - x - 3)$  by  $(x + 1)$