

Reducing Rational Expressions

Review Reducing Fractions:

$$\frac{25}{30} =$$

$$\frac{7}{9} =$$

$$\frac{x+5}{x^2+25} =$$

1. Factor.
2. "Cancel" common FACTORS.

$$1. \frac{8xy^5z^3}{-2x^3y^4z}$$

$$2. \frac{2x^2y-14xy}{x^2y+3xy^2}$$

$$3. \frac{x^2-6x-16}{64-x^2}$$

$$4. \frac{8x^3+27}{2x^2-3x-9}$$