

Factor Completely:

$$3x^2 - 12x$$

$$4x^2 - 9$$

$$x^2 + 3x - 18$$

$$3x^2 + 16x + 5$$

Simplify the following expression:

$$\frac{36x^5y^2}{24x^2y^4}$$

$$\frac{3x}{6x-9}$$

$$\frac{4x^2+32x+60}{2x^2-2x-24}$$