**1.** Divide  $15x^4y^5 - 5x^3y^4 + 10x^2y^2$  by  $5x^2y^3$ 

**2.** Divide  $2x^2 + x - 9$  by x - 2

**3.** Divide:  $(2x^3 + 13x^2 + 9x - 6) \div (2x + 3)$ 

**4.** Divide:  $(3x^5 - x^3 + 4x^2 - 12x - 8) \div (x^2 - 2)$