



**1** Cociente =  $3x^2 - 5x - 2$

Resto =  $10x + 3$

**2**  $m = -12$

**3** a)  $x^2(x - 6)^2$

b)  $(x - 1)(x + 3)(2x + 1)$

**4** a)  $\frac{x^4}{4}$

b)  $\frac{5x - 12}{(x - 2)^2}$

**5**  $xy - (x - 50) \cdot (y - 30) = (30x + 50y - 1\,500) \text{ m}^2$