



## 5. Refuerza cómo sacar factor común

### Soluciones

1 Sacar factor común en cada expresión.

$$a) 15x^2 + 10x = \boxed{5x} (\boxed{3}x + \boxed{2})$$

$$b) 8a^3 - 2a^2 + 4a = \boxed{2a} (\boxed{4}a^2 - \boxed{1}a + \boxed{2})$$

$$c) 12x^4 - 8x^3 + 20x^2 = \boxed{4x^2} (\boxed{3}x^2 - \boxed{2}x + \boxed{5})$$

$$d) 3a^4 - a^2 = \boxed{a^2} (\boxed{3}a^2 - \boxed{1})$$

$$e) 100a^3 - 20a^4 = \boxed{20a^3} (\boxed{5} - \boxed{1}a)$$

$$f) 25y^4 - 50y^2 + 75y = \boxed{25y} (\boxed{1}y^3 - \boxed{2}y + \boxed{3})$$

$$g) 18xy^2 - 9x^2y = \boxed{9xy} (\boxed{2}y - \boxed{1}x)$$

$$h) 3x^2 - 81x^3 - 27x^4 = \boxed{3x^2} (\boxed{1} - \boxed{27}x - \boxed{9}x^2)$$

$$i) 5(x + 3) + 7(x + 3) = \boxed{(x + 3)} (\boxed{5} + \boxed{7})$$

$$j) x + 8ax + 2a^2x = \boxed{x} (\boxed{1} + \boxed{8}a + \boxed{2}a^2)$$