

a)

$$W(x) = (x^2 - 3x)^2 - 9x^2 = x^4 - 6x^3 + 9x^2 - 9x^2 = x^4 - 6x^3 = x^3(x - 6)$$

b)

$$w(x) = 0 \Leftrightarrow x^3(x - 6) = 0$$

$$x^3 = 0 \text{ lub } x - 6 = 0$$

$$x = 0 \text{ lub } x = 6$$