

exercice 1

$$a) -3x^2 + 27 = 0$$

$$-3x^2 = -27$$

$$x^2 = \frac{-27}{-3}$$

$$x = -\sqrt{9} \text{ ou } \sqrt{9}$$

$$b) y = \frac{-3}{4} \times (-2) + \frac{3}{2} = 3$$

Le point $A(-2; 3)$ appartient à la droite
d'équation $y = -\frac{3x}{4} + \frac{3}{2}$

exercice 2

$$1- u_0 = 21$$

$$u_1 = 17$$

$$u_2 = 13$$

$$u_3 = 9$$

$$u_4 = 5$$

$$2- u_n = u(0) + n \times r$$

$$u_n = 21 + (-4)n$$

$$2-b) u(15) = 21 + (-4) \times 15 \\ = -39$$