810
$$y = 3x^2 - 6x$$

$$\begin{cases} x = 0 & (ane y) \\ y = 3x^{2} - 6x \end{cases}$$
 $\begin{cases} x = 0 \\ y = 0 \end{cases}$

$$\begin{cases} y=0 & (ane \times) \\ y=3\times^2-6\times \end{cases} \begin{cases} y=0 \\ 0=0 \end{cases}$$

$$\begin{cases} y = 0 \\ 0 = 3x^2 - 6x - 6 \end{cases}$$

$$3 \times ^{2} - 6 \times = 0$$
 $3 \times = 0 = > \times = 0$
 $3 \times (\times - 2) = 0$ $\times -2 = 0 \Rightarrow \times = 2$

$$-6x - 3x(x-2) = 0$$

$$\vee \left(-\frac{k}{2a}, -\frac{\triangle}{4a}\right)$$

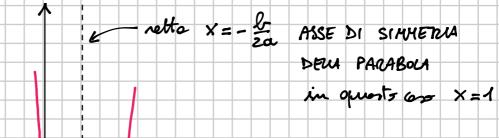
$$42 = \frac{(-6)^2 - 4 \cdot 3 \cdot 0}{12} = \frac{36}{12} = -3$$

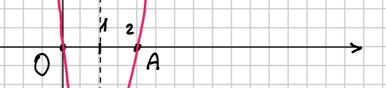
MOSO ALTERNATIVO PER TROVARE YV: une melte che les XV = 1, le sostiluises nell'eq. della pardola:

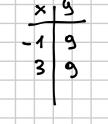
y=3x2-6x

 $X_{V} = \frac{6}{6} = 1$

$$4v = 3 \cdot 1^2 - 6 \cdot 1 = -3$$







ALTRI EVENTUALI

811
$$y = x^2 + 7x - 8$$

$$\begin{cases} y = 0 \\ y = x^2 + 7x - 8 \end{cases} = x^2 + 7x - 8 = 0 \quad x = 1 \\ (x + 8)(x - 4) = 0 \quad x = -8 \end{cases}$$

$$A(-8, 0) B(4, 0)$$

$$\begin{cases} x = 0 \\ y = x^2 + 7x - 8 \end{cases} \begin{cases} x = 0 \\ y = -8 \end{cases}$$

$$x_v = -\frac{Q_v}{2a} = -\frac{7}{2} \quad y_v = -\frac{Q_v}{4a} = -\frac{43 + 32}{4} = -\frac{81}{4} \quad (x - 20, 25)$$

$$-\frac{7}{2} \quad AB$$

$$-8$$

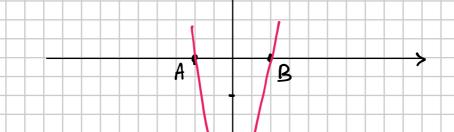
$$-8$$

812
$$y = 3x^2 - 3$$

V(0,-3)

$$\begin{cases} y = 0 \text{ (ane x)} \\ y = 3x^{2} - 3 = 0 \\ y = 3x^{2} - 3 = 0 \end{cases} = 3x^{2} = 3 \qquad x = 1 \qquad x = \pm 1$$

$$A(-1,0) B(1,0)$$



814
$$y = -2x^2 - 4x + 6$$

$$x_v = -\frac{L}{2a} = -\frac{4}{-4} = -1$$
 $y_v = -2(-1)^2 - 4(-1) + 6 = 8$

$$\begin{cases} y = 0 & (ane x) \\ y = -2x^{2} - 4x + 6 = 0 \\ y = -2x^{2} - 4x + 6 \\ x^{2} + 2x - 3 = 0 \\ (x+3)(x-1) = 0 \end{cases}$$

$$(x+3)(x-1) = 0$$

$$(x+3)(x-1) = 0$$

$$\begin{cases} x = 0 \\ y = -2x^2 - 4x + 6 \end{cases} \qquad (0,6)$$

