$V_x = 0,75$ $V_y = 1,125$

$$V_x = \frac{-b}{2a} \qquad V_y = -\frac{\Delta}{4a}$$

$$\frac{0,75}{1} = \frac{-b}{2a} \Rightarrow 2 \cdot a \cdot 0,75 = -b$$

$$1,5a = -b \ (\times -1)$$

$$\boxed{b = -1,5a}$$

$V_x = 0{,}75$ $\quad V_y = 1{,}125$

$$V_x = \frac{-b}{2a} \qquad V_y = -\frac{\Delta}{4a}$$

$$\frac{1{,}125}{1} = -\frac{(b^2 - 4 \cdot a \cdot c)}{4a}$$

$$4a \cdot 1{,}125 = -(b^2 - 4 \cdot a \cdot c)$$

$b = -1{,}5a$

$$4{,}5a = -b^2 + 4 \cdot a \cdot c$$

$$4{,}5a = -(-1{,}5a)^2 + 4 \cdot a \cdot c$$

$$4{,}5a = -2{,}25a^2 + 4ac$$

$$-2{,}25a^2 - 4{,}5a = 0$$

$$2{,}25a^2 + 4{,}5a = 0$$

$a = -2 \quad a = 0$

$b = -1{,}5a$

$V_x = 0{,}75$ $\quad V_y = 1{,}125$

$ax^2 + bx + c = 0$

$$V_x = \frac{-b}{2a} \qquad V_y = -\frac{\Delta}{4a}$$

$-2x^2 + 3x = 0$

$b = -1{,}5(-2)$

$\boxed{b = +3}$ $\quad b = 1{,}50$

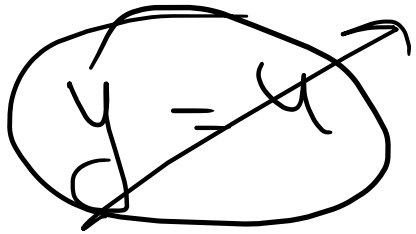
$\boxed{b \neq 0}$

$a = -2 \quad a = 0$

$f(x) = -2x^2 + 3x$

y

$5 = -2x^2 + 3x$



$y = 5$

$x = 2$