$$y = -2x^{2} + x + 1$$

$$f(x) = -2x^{2} + x + 1$$

$$f(?) = -14$$

$$f(?) = -14$$

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$$f(x) = -2x^{2} + x + 1$$

$$f(x) = -\frac{1}{4} - 2x^{2} + x + 1 = -\frac{1}{4}$$

$$-8x^{2} + 4x + 4 + 1 = 0$$

$$8x^{2} - 4x - 5 = 0$$

$$4 = 4 + 40 = x = \frac{2 \pm 2\sqrt{11}}{8} = \frac{1 \pm \sqrt{11}}{4}$$

$$f(\frac{1 + \sqrt{11}}{4}) = f(\frac{1 - \sqrt{11}}{4}) = -\frac{1}{4}$$

Risolvere 
$$f(x) = g(x)$$
  
 $1-2x^2+x=x-1$   
 $2x^2=2 x=\pm 1$ 

$$f:A \rightarrow \mathbb{R}$$
  $A = \{-1,0,1,2\}$   
 $f(x) = 2x^2 + 1$ 

CODOMINIO

$$f(A) = \{3,1,9\}$$
  
 $f(-1) = 3$   $f(2) = 9$   
 $f(0) = 1$   
 $f(1) = 3$ 

$$f: \times \mapsto -\left(\frac{x}{2}\right)^{2} = -\frac{x^{2}}{4}$$

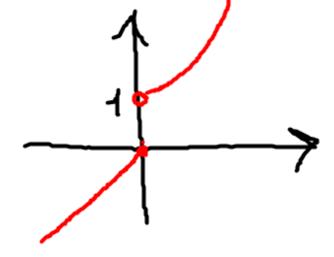
$$f(x) = -\frac{x^{2}}{4} \quad f: \left\{-1, 2, 3, 6\right\} \longrightarrow \mathbb{R}$$

$$CODOMINIO \quad A = \left\{-\frac{1}{4}, -1, -\frac{9}{4}, -9\right\}$$

FUNZIONI A TRATEI

$$f(x) = \begin{cases} x & \text{se } x \leq 0 \\ 2 & \text{x} + 1 & \text{se } x > 0 \end{cases}$$

$$f(-1) = -1$$
  
 $f(4) = 2$ 



O & O V VERO FALSO?

0<0F

83 Mg. 107 Colcolore il dorninio di y= 1/2X3-8X Trovo i numeri Che annellour io denominatore e li excludo del dominio 2 x 3 - 8x = 0 X \$ 0 V X \$ + 5 S 2x(x-4)=0 IR ~ {0,-2,2} x=0 "X= +5

 $(-\infty,-5)$  U(-5,0) U(0,2)  $U(2,+\infty)$