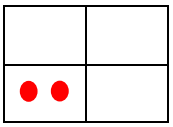
Parabola meets X axis 2

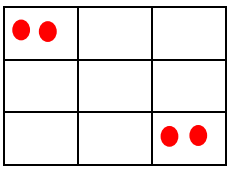


2

2

$(x-1)^2 = 4 \Rightarrow x - 1 = \pm 2$

$x = -2+1 = -1$, $x = 1+2=3$

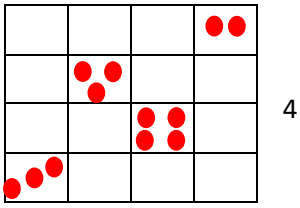


3

3

$(x-2)^2 = 9 \Rightarrow x-2 = \pm 3$

$x = 2+3 = 5$ $x = 2 -3 = -1$



4

4

$(x-3)^2 = 16 \Rightarrow x-3 = \pm 4$

$x = 3+4 = 7$ $x = 3 - 4 = -1$

$(x+5)^2 = 1 \Rightarrow x+5 = \pm 1$

$x = -5-1 = -6$ $x = -5+1 = -4$

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

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

$x^2 - 6x - 7 = 0$

$(x-7)(x+1) = 0$

$x^2 - 4x - 5 = 0$

$(x-5)(x+1) = 0$

$x^2 + 10x + 24 = 0$

$(x+6)(x+4) = 0$