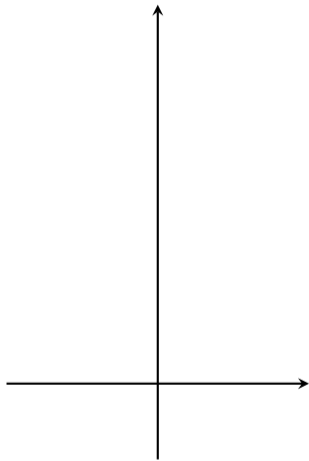
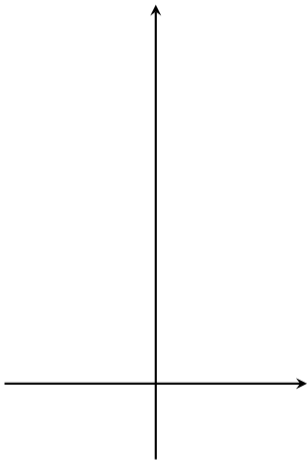


$y = 2x^2 - 8x + k + 9$ は最小値が 4 , k ? #37 その7

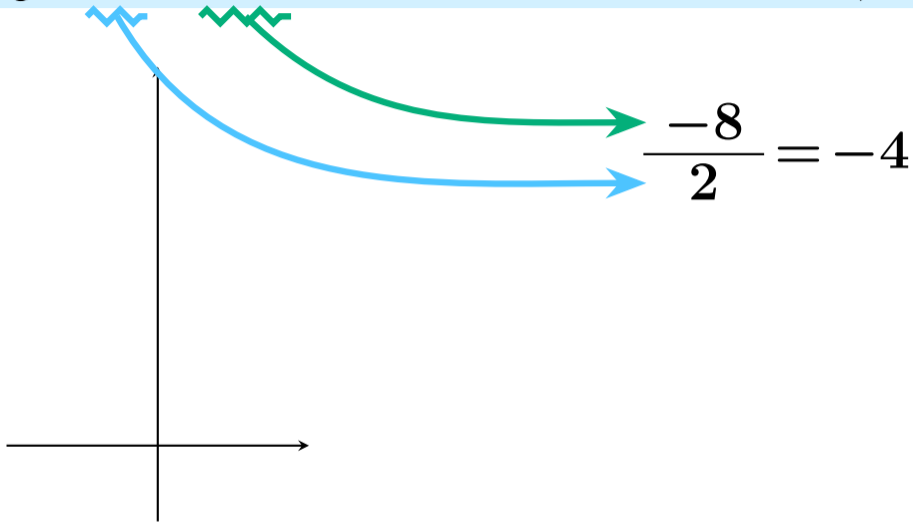


$y = 2x^2 - 8x + k + 9$ は最小値が 4 , k ? #37 その7

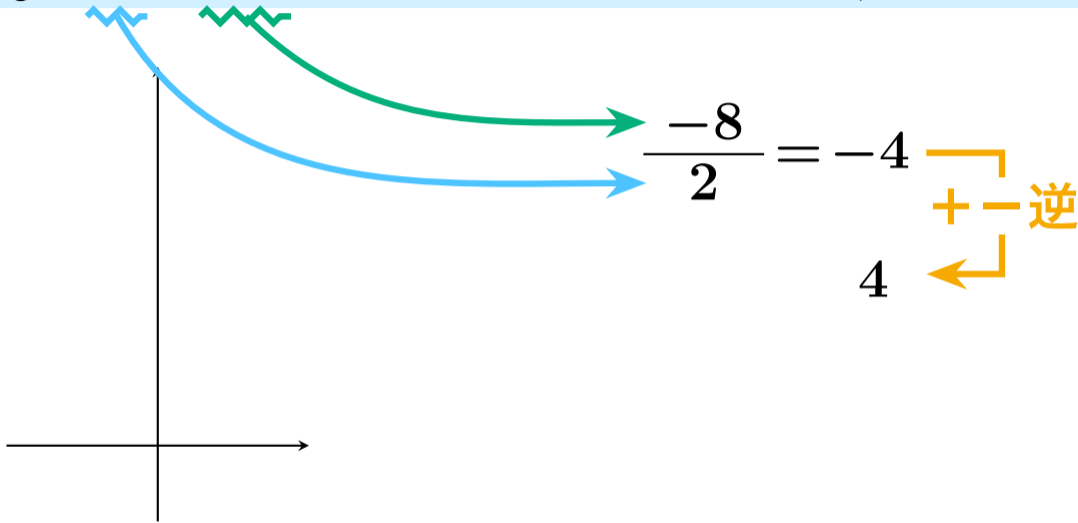
まず頂点の x 座標を計算する



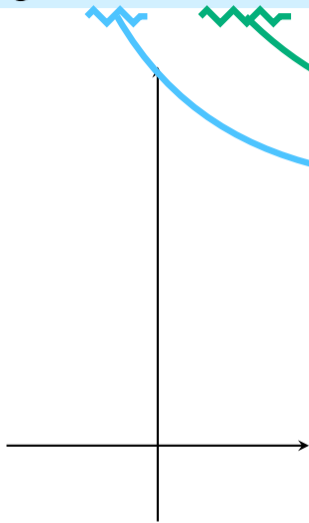
$y = 2x^2 - 8x + k + 9$ は最小値が 4 , k ? #37 その7



$y = 2x^2 - 8x + k + 9$ は最小値が 4 , k ? #37 その7



$y = 2x^2 - 8x + k + 9$ は最小値が 4 , k ? #37 その7



$$\frac{-8}{2} = -4$$

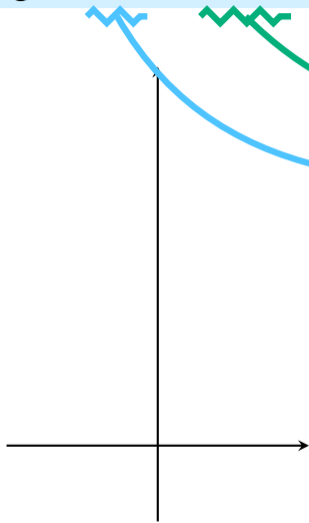
+-逆

4

÷2

2

$y = 2x^2 - 8x + k + 9$ は最小値が 4 , k ? #37 その7



$$\frac{-8}{2} = -4$$

+-逆

4

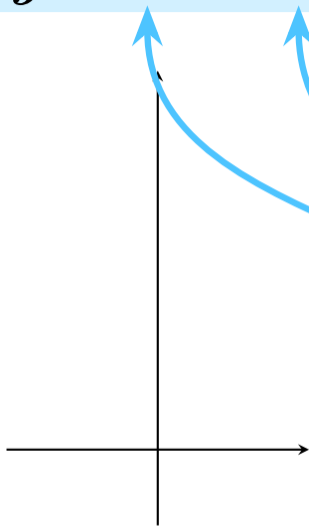
←
÷2

2

頂点 (2,)

$y = 2x^2 - 8x + k + 9$ は最小値が 4 , k ? #37 その7

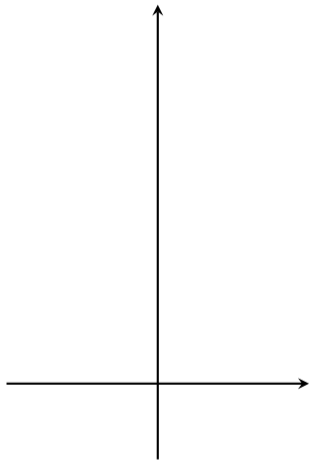
次に頂点の y 座標を計算
したいので、式に代入する



頂点 (2,)

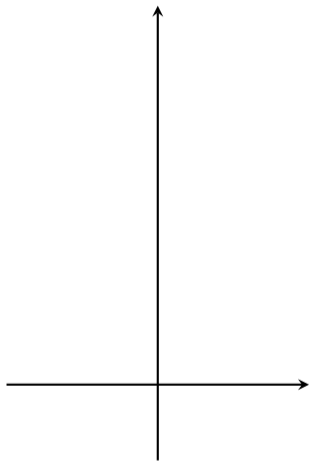
$y = 2x^2 - 8x + k + 9$ は最小値が 4 , k ? #37 その7

$$y = 2 \times 2^2 - 8 \times 2 + k + 9$$



頂点 (2,)

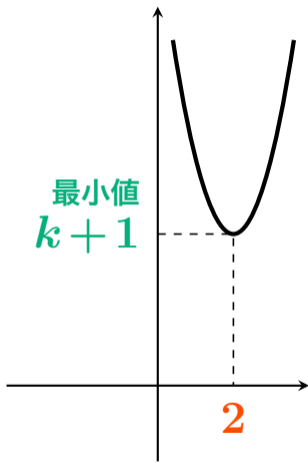
$y = 2x^2 - 8x + k + 9$ は最小値が 4 , k ? #37 その7



$$\begin{aligned}y &= 2 \times 2^2 - 8 \times 2 + k + 9 \\ &= 8 - 16 + k + 9 \\ &= k + 1\end{aligned}$$

頂点 $(2, k + 1)$

$y = 2x^2 - 8x + k + 9$ は最小値が 4 , k ? #37 その7



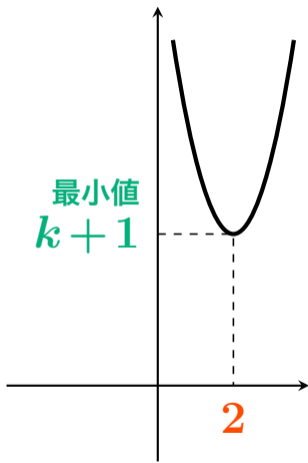
$$\begin{aligned} y &= 2 \times 2^2 - 8 \times 2 + k + 9 \\ &= 8 - 16 + k + 9 \\ &= k + 1 \end{aligned}$$

頂点 $(2, k + 1)$

$y = 2x^2 - 8x + k + 9$ は最小値が 4 , k ? #37 その7

$k + 1 = 4$ になればよいので

答 $k = 3$



頂点 $(2, k + 1)$