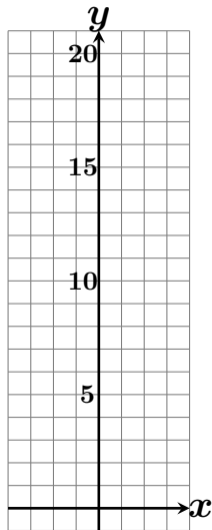
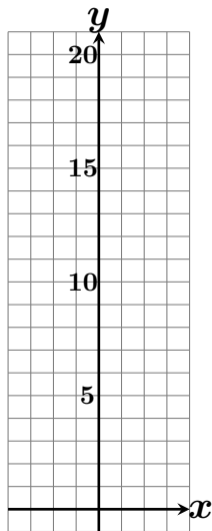


# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



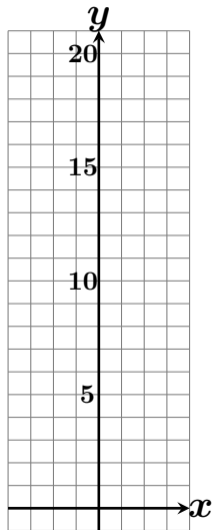
$x$	-2	-1	0	1	2	3
$y$						

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	<b>-2</b>	-1	0	1	2	3
$y$						

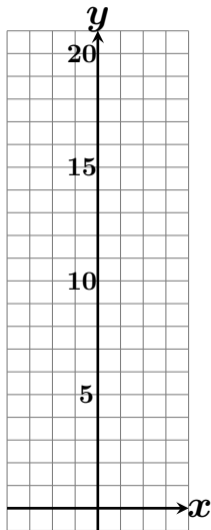
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	<b>-2</b>	-1	0	1	2	3
$y$						

$$y = 2(x - 1)^2 + 3$$

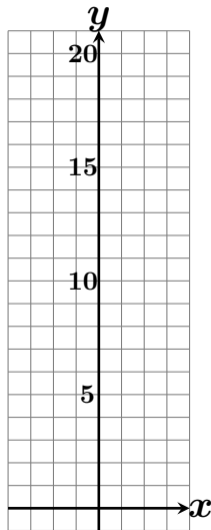
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	$-2$	$-1$	$0$	$1$	$2$	$3$
$y$						

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2((-2) - 1)^2 + 3\end{aligned}$$

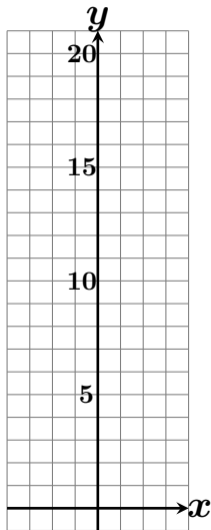
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	<b>-2</b>	-1	0	1	2	3
$y$						

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2((-2) - 1)^2 + 3 \\ &= 2(-3)^2 + 3\end{aligned}$$

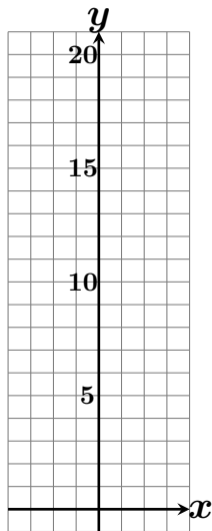
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	<b>-2</b>	-1	0	1	2	3
$y$						

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\&= 2((-2) - 1)^2 + 3 \\&= 2(-3)^2 + 3 \\&= 2 \times 9 + 3\end{aligned}$$

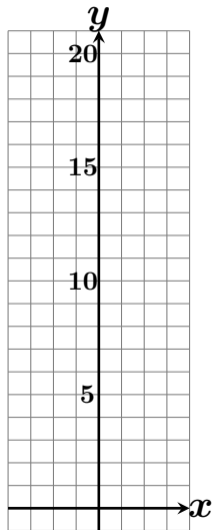
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	<b>-2</b>	-1	0	1	2	3
$y$						

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\&= 2((-2) - 1)^2 + 3 \\&= 2(-3)^2 + 3 \\&= 2 \times 9 + 3 \\&= 18 + 3\end{aligned}$$

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1

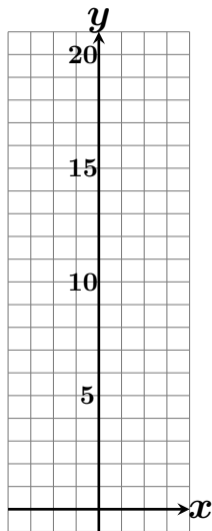


$x$	<b>-2</b>	-1	0	1	2	3
$y$						

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\&= 2((-2) - 1)^2 + 3 \\&= 2(-3)^2 + 3 \\&= 2 \times 9 + 3 \\&= 18 + 3 \\&= \mathbf{21}\end{aligned}$$



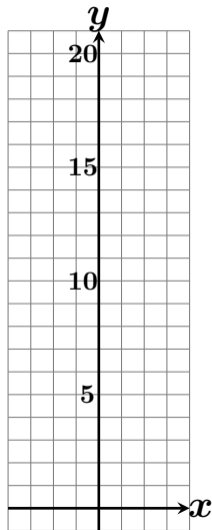
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	<b>-2</b>	-1	0	1	2	3
$y$	<b>21</b>					

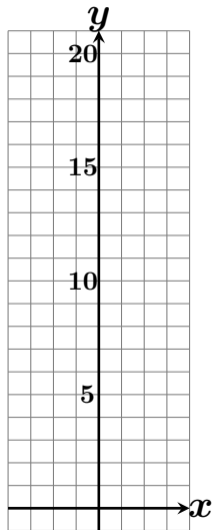
$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\&= 2((-2) - 1)^2 + 3 \\&= 2(-3)^2 + 3 \\&= 2 \times 9 + 3 \\&= 18 + 3 \\&= \mathbf{21}\end{aligned}$$

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



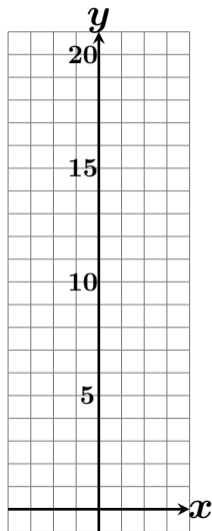
$x$	-2	-1	0	1	2	3
$y$	21					

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21					

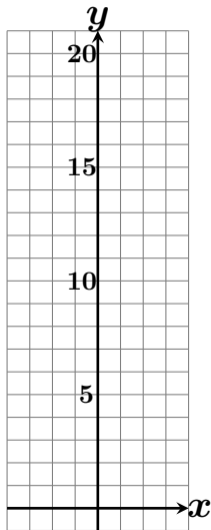
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21					

$$y = 2(x - 1)^2 + 3$$

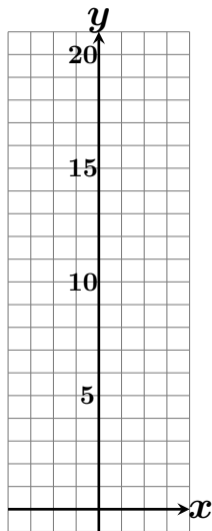
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21					

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2((-1) - 1)^2 + 3\end{aligned}$$

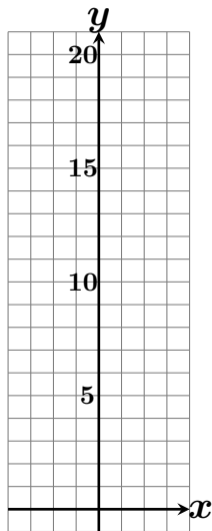
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21					

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2((-1) - 1)^2 + 3 \\ &= 2(-2)^2 + 3\end{aligned}$$

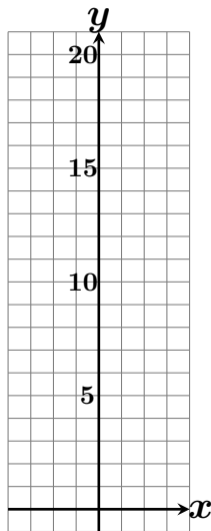
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21					

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2((-1) - 1)^2 + 3 \\ &= 2(-2)^2 + 3 \\ &= 2 \times 4 + 3\end{aligned}$$

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1

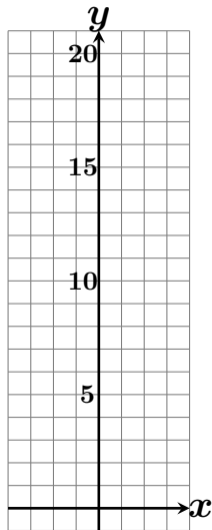


$x$	-2	-1	0	1	2	3
$y$	21					

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\&= 2((-1) - 1)^2 + 3 \\&= 2(-2)^2 + 3 \\&= 2 \times 4 + 3 \\&= 8 + 3\end{aligned}$$



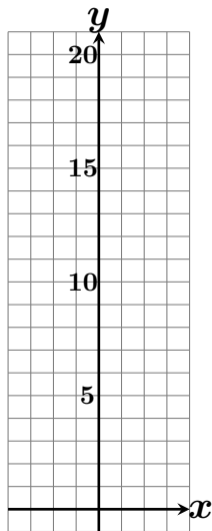
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21					

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\&= 2((-1) - 1)^2 + 3 \\&= 2(-2)^2 + 3 \\&= 2 \times 4 + 3 \\&= 8 + 3 \\&= 11\end{aligned}$$

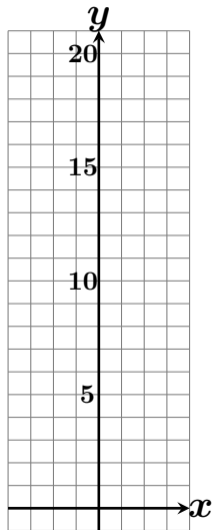
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11				

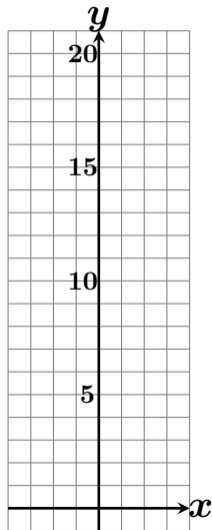
$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2((-1) - 1)^2 + 3 \\ &= 2(-2)^2 + 3 \\ &= 2 \times 4 + 3 \\ &= 8 + 3 \\ &= 11\end{aligned}$$

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



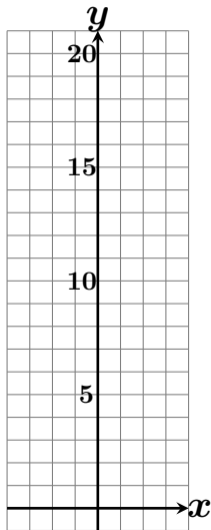
$x$	-2	-1	0	1	2	3
$y$	21	11				

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11				

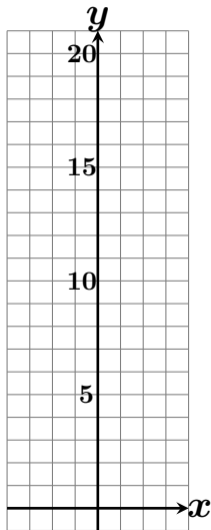
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11				

$$y = 2(x - 1)^2 + 3$$

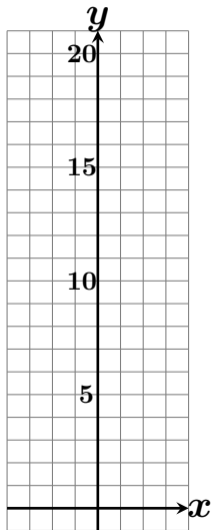
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11				

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(0 - 1)^2 + 3\end{aligned}$$

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



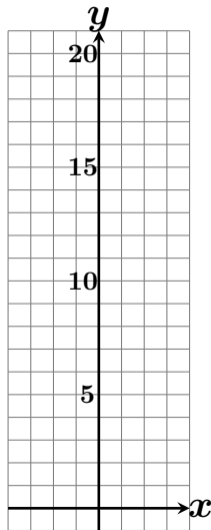
$x$	-2	-1	0	1	2	3
$y$	21	11				

$$y = 2(x - 1)^2 + 3$$

$$= 2(0 - 1)^2 + 3$$

$$= 2(-1)^2 + 3$$

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1

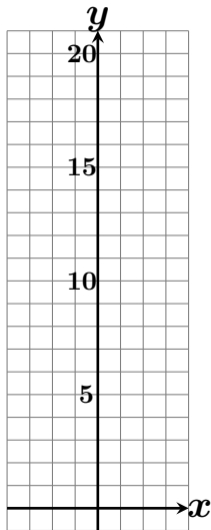


$x$	-2	-1	0	1	2	3
$y$	21	11				

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(0 - 1)^2 + 3 \\ &= 2(-1)^2 + 3 \\ &= 2 \times 1 + 3\end{aligned}$$



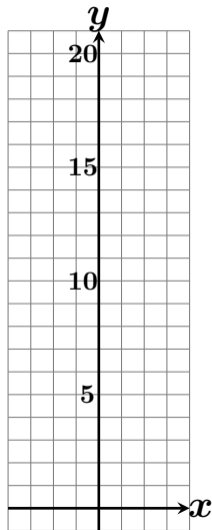
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11				

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(0 - 1)^2 + 3 \\ &= 2(-1)^2 + 3 \\ &= 2 \times 1 + 3 \\ &= 2 + 3\end{aligned}$$

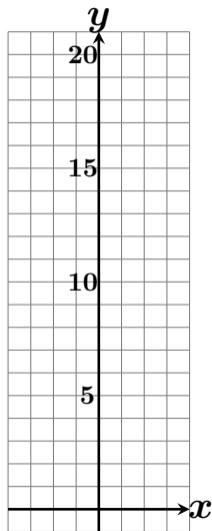
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11				

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(0 - 1)^2 + 3 \\ &= 2(-1)^2 + 3 \\ &= 2 \times 1 + 3 \\ &= 2 + 3 \\ &= 5\end{aligned}$$

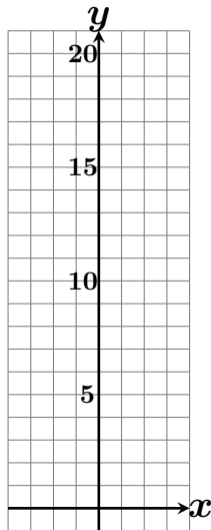
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11	5			

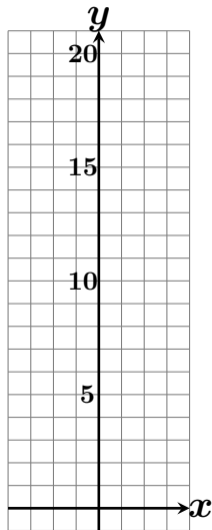
$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(0 - 1)^2 + 3 \\ &= 2(-1)^2 + 3 \\ &= 2 \times 1 + 3 \\ &= 2 + 3 \\ &= 5\end{aligned}$$

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



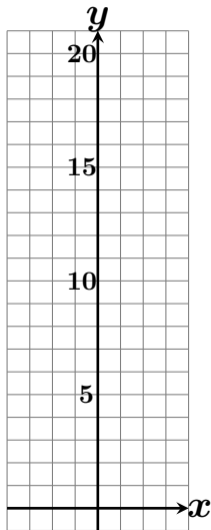
$x$	-2	-1	0	1	2	3
$y$	21	11	5			

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11	5			

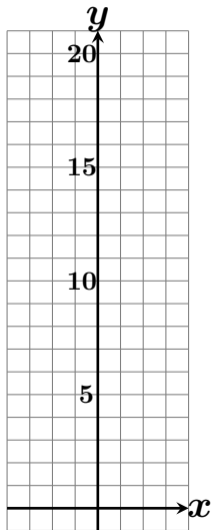
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11	5			

$$y = 2(x - 1)^2 + 3$$

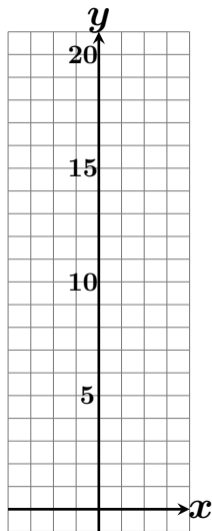
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 ①



$x$	-2	-1	0	1	2	3
$y$	21	11	5			

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(1 - 1)^2 + 3\end{aligned}$$

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1

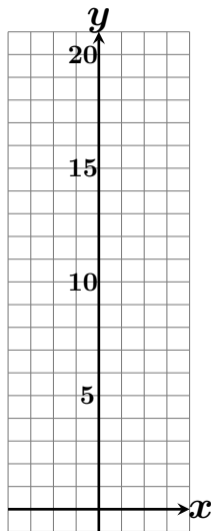


$x$	-2	-1	0	1	2	3
$y$	21	11	5			

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(1 - 1)^2 + 3 \\ &= 2(0)^2 + 3\end{aligned}$$



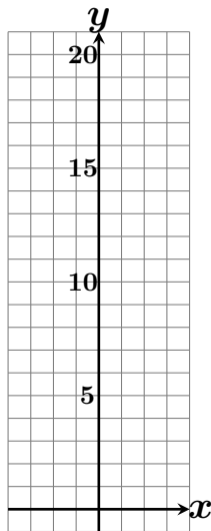
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11	5			

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(1 - 1)^2 + 3 \\ &= 2(0)^2 + 3 \\ &= 2 \times 0 + 3\end{aligned}$$

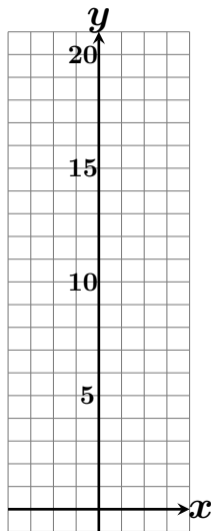
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11	5			

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(1 - 1)^2 + 3 \\ &= 2(0)^2 + 3 \\ &= 2 \times 0 + 3 \\ &= 0 + 3\end{aligned}$$

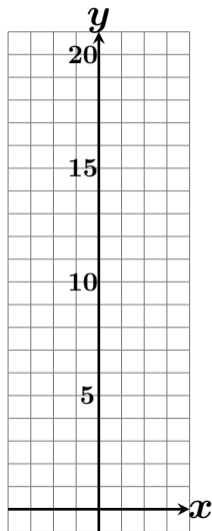
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11	5			

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\&= 2(1 - 1)^2 + 3 \\&= 2(0)^2 + 3 \\&= 2 \times 0 + 3 \\&= 0 + 3 \\&= 3\end{aligned}$$

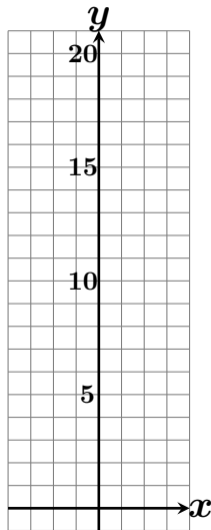
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11	5	3		

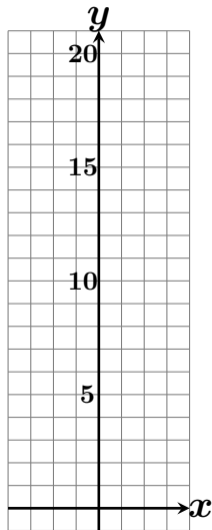
$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(1 - 1)^2 + 3 \\ &= 2(0)^2 + 3 \\ &= 2 \times 0 + 3 \\ &= 0 + 3 \\ &= 3\end{aligned}$$

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



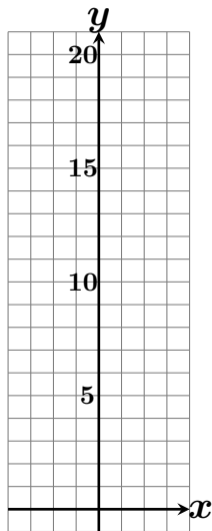
$x$	-2	-1	0	1	2	3
$y$	21	11	5	3		

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11	5	3		

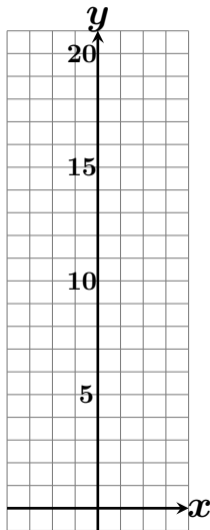
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 ①



$x$	-2	-1	0	1	2	3
$y$	21	11	5	3		

$$y = 2(x - 1)^2 + 3$$

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1

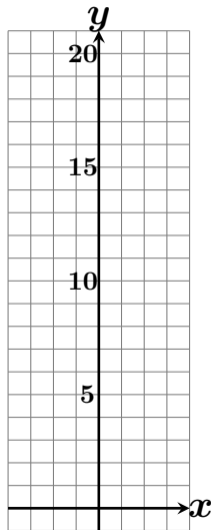


$x$	-2	-1	0	1	2	3
$y$	21	11	5	3		

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(2 - 1)^2 + 3\end{aligned}$$



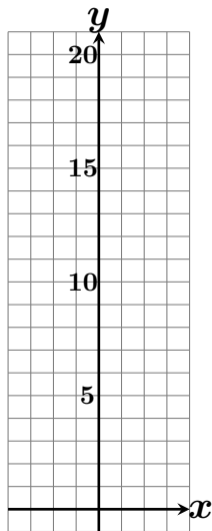
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11	5	3		

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(2 - 1)^2 + 3 \\ &= 2(1)^2 + 3\end{aligned}$$

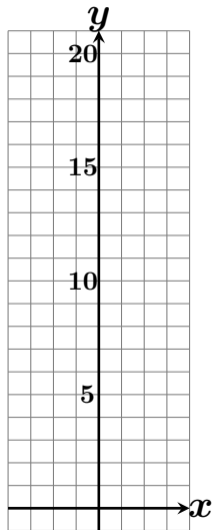
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11	5	3		

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(2 - 1)^2 + 3 \\ &= 2(1)^2 + 3 \\ &= 2 \times 1 + 3\end{aligned}$$

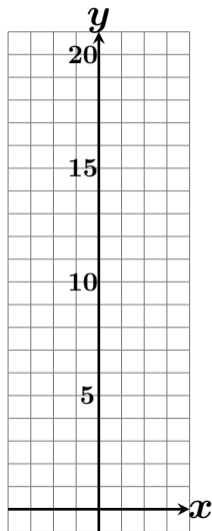
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11	5	3		

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(2 - 1)^2 + 3 \\ &= 2(1)^2 + 3 \\ &= 2 \times 1 + 3 \\ &= 2 + 3\end{aligned}$$

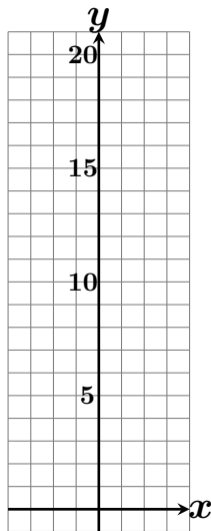
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11	5	3		

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(2 - 1)^2 + 3 \\ &= 2(1)^2 + 3 \\ &= 2 \times 1 + 3 \\ &= 2 + 3 \\ &= 5\end{aligned}$$

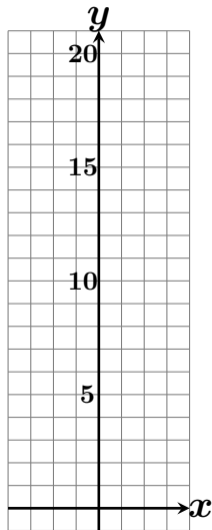
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11	5	3	5	

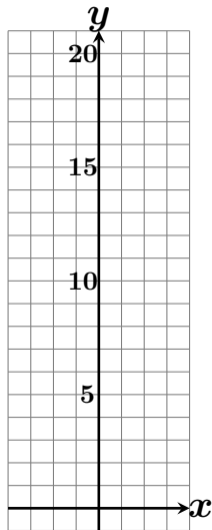
$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(2 - 1)^2 + 3 \\ &= 2(1)^2 + 3 \\ &= 2 \times 1 + 3 \\ &= 2 + 3 \\ &= 5\end{aligned}$$

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



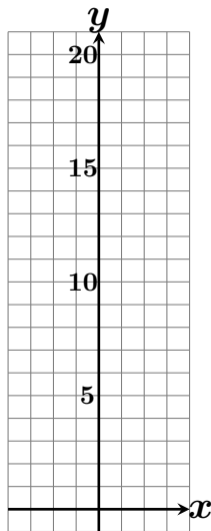
$x$	-2	-1	0	1	2	3
$y$	21	11	5	3	5	

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	<b>3</b>
$y$	21	11	5	3	5	

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1

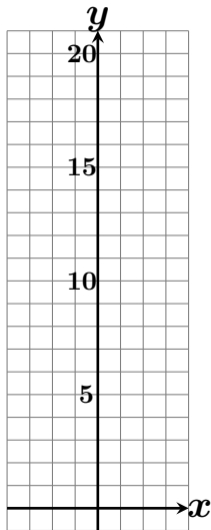


$x$	-2	-1	0	1	2	<b>3</b>
$y$	21	11	5	3	5	

$$y = 2(x - 1)^2 + 3$$



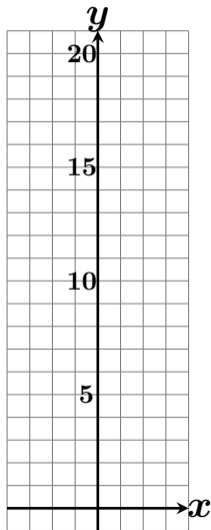
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	<b>3</b>
$y$	21	11	5	3	5	

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(\mathbf{3} - 1)^2 + 3\end{aligned}$$

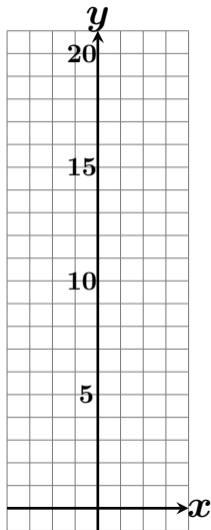
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	<b>3</b>
$y$	21	11	5	3	5	

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(\mathbf{3} - 1)^2 + 3 \\ &= 2(\quad \mathbf{2} \quad)^2 + 3\end{aligned}$$

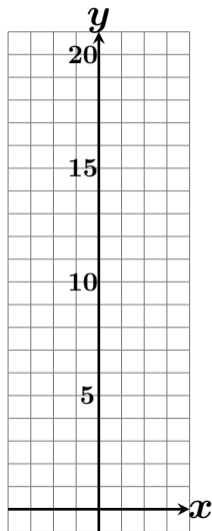
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	<b>3</b>
$y$	21	11	5	3	5	

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(\mathbf{3} - 1)^2 + 3 \\ &= 2(\quad \mathbf{2} \quad)^2 + 3 \\ &= 2 \times \quad \mathbf{4} \quad + 3\end{aligned}$$

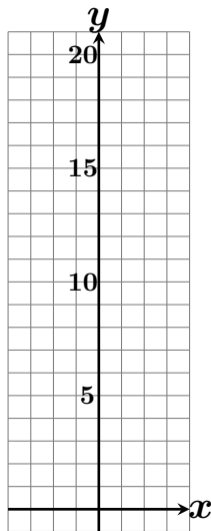
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	<b>3</b>
$y$	21	11	5	3	5	

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(\mathbf{3} - 1)^2 + 3 \\ &= 2(\mathbf{2})^2 + 3 \\ &= 2 \times \mathbf{4} + 3 \\ &= \mathbf{8} + 3\end{aligned}$$

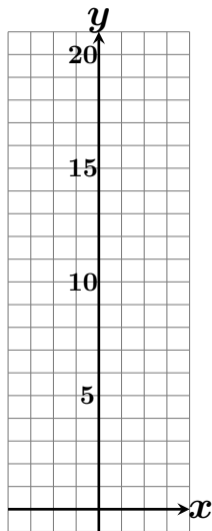
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	<b>3</b>
$y$	21	11	5	3	5	

$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(\mathbf{3} - 1)^2 + 3 \\ &= 2(\quad 2 \quad)^2 + 3 \\ &= 2 \times \quad 4 \quad + 3 \\ &= \quad 8 \quad + 3 \\ &= \mathbf{11}\end{aligned}$$

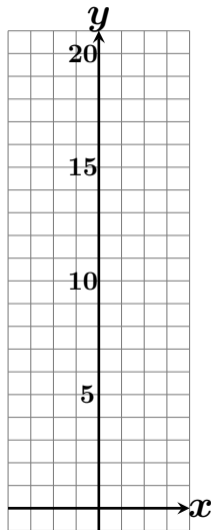
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	<b>3</b>
$y$	21	11	5	3	5	<b>11</b>

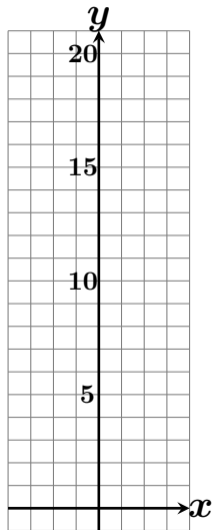
$$\begin{aligned}y &= 2(x - 1)^2 + 3 \\ &= 2(\mathbf{3} - 1)^2 + 3 \\ &= 2(\mathbf{2})^2 + 3 \\ &= 2 \times \mathbf{4} + 3 \\ &= \mathbf{8} + 3 \\ &= \mathbf{11}\end{aligned}$$

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11	5	3	5	11

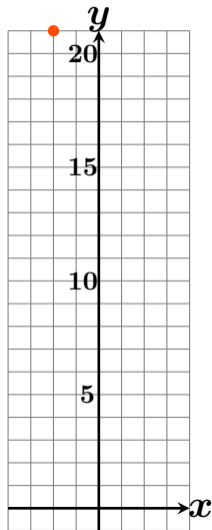
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	<b>-2</b>	-1	0	1	2	3
$y$	<b>21</b>	11	5	3	5	11

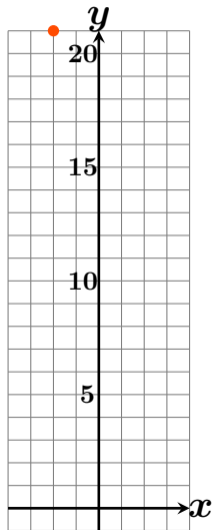


# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



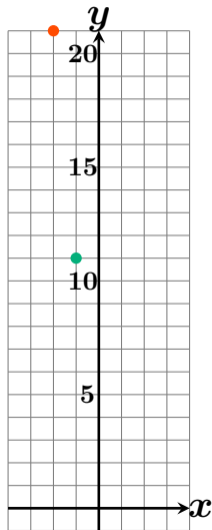
$x$	<b>-2</b>	-1	0	1	2	3
$y$	<b>21</b>	11	5	3	5	11

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



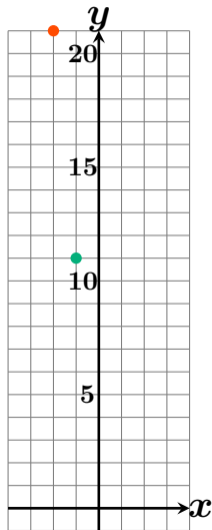
$x$	-2	-1	0	1	2	3
$y$	21	11	5	3	5	11

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



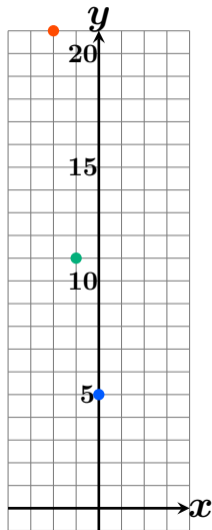
$x$	-2	-1	0	1	2	3
$y$	21	11	5	3	5	11

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



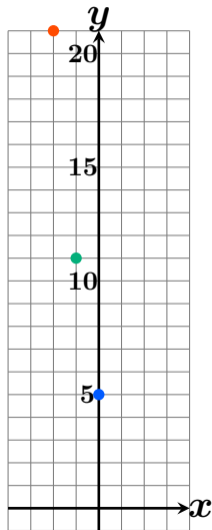
$x$	-2	-1	0	1	2	3
$y$	21	11	5	3	5	11

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



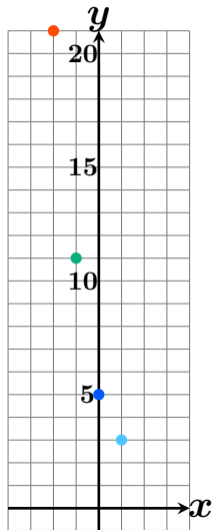
$x$	-2	-1	0	1	2	3
$y$	21	11	5	3	5	11

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



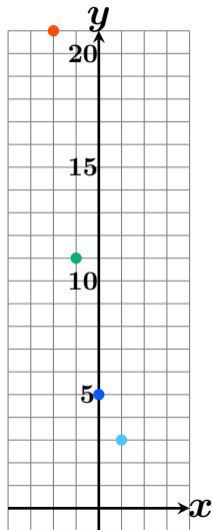
$x$	-2	-1	0	1	2	3
$y$	21	11	5	3	5	11

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11	5	3	5	11

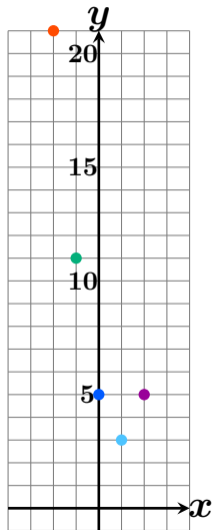
# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11	5	3	5	11

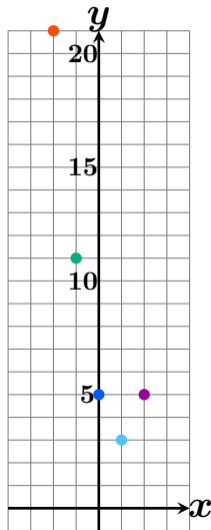


# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



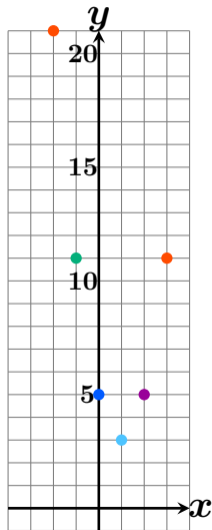
$x$	-2	-1	0	1	2	3
$y$	21	11	5	3	5	11

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



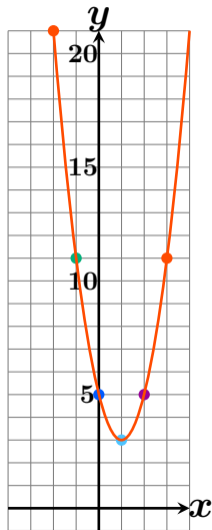
$x$	-2	-1	0	1	2	3
$y$	21	11	5	3	5	11

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11	5	3	5	11

# $y = 2(x - 1)^2 + 3$ のグラフを描け #30 1



$x$	-2	-1	0	1	2	3
$y$	21	11	5	3	5	11