

$$x^2 + 9x + 18$$

$$(x + 3)(x + 6)$$

9	18
1 · 18	1 · 18
+ 2	2 · 9
9	3 · 6

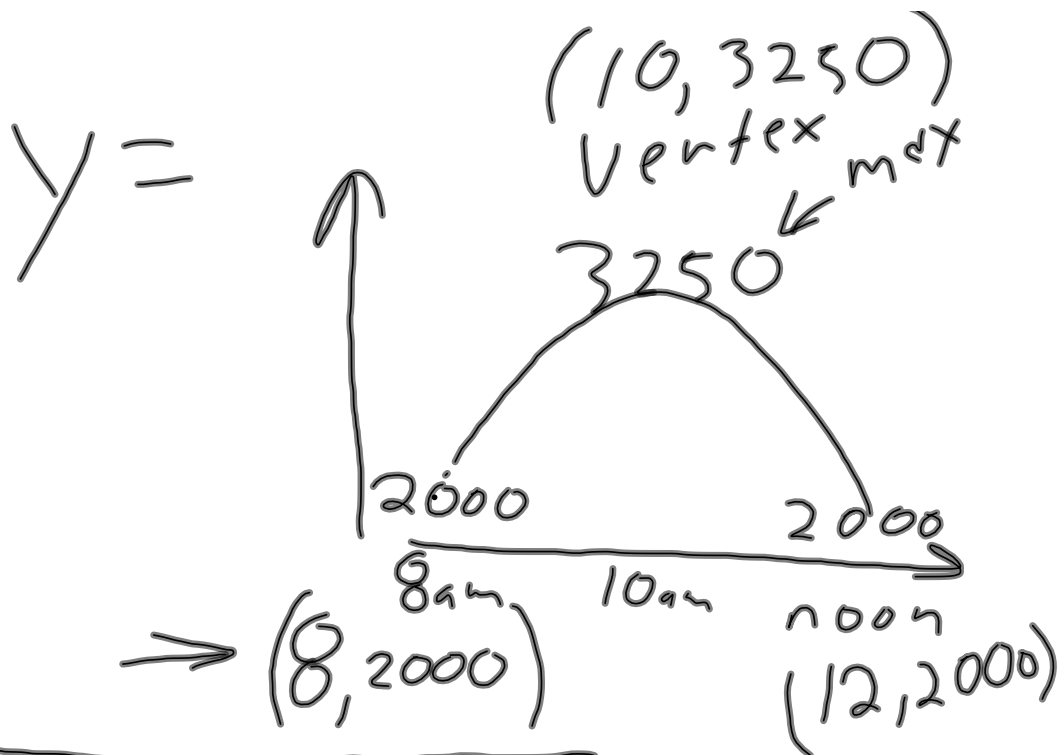
2x2

$$\textcircled{2}x^2 + 11x + \textcircled{12}$$

$$(1x + 4)(2x + 3)$$

$$(x + 4)(2x + 3)$$

$$\textcircled{\frac{4}{1}} = \frac{100}{11} \quad \text{24} \quad \textcircled{\frac{3}{2}}$$



$$y = a(x-h)^2 + k$$

$$y = a(x-10)^2 + 3250$$

$$y = -312.5(x-10)^2 + 3250$$

$$2000 = a(8-10)^2 + 3250$$

$$2000 = a(2)^2 + 3250$$

$$2000 = a4 + 3250$$

$$\begin{array}{r} -3250 \\ \hline \end{array} \qquad \begin{array}{r} -3250 \\ \hline \end{array}$$

$$\begin{array}{r} -1250 \\ \hline 4 \end{array} = \begin{array}{r} a4 \\ \hline 4 \end{array}$$

$$-312.5 = a$$

