

How to calculate the...

Vertex	X-INTERCEPT(S)	Y-INTERCEPT		
Practice: Calculate the law features of each acception				

**<u>Practice:</u>** Calculate the key features of each equation.

1. 
$$y = 2(x - 5)^2 + 3$$

Vertex:

X-intercept(s):

Y-intercept:

Open up or down?

2. 
$$y = -\frac{1}{2}(x+4)^2 + 1$$
  
Vertex:

X-intercept(s):

Y-intercept:

Open up or down?

## Factored Form

How to calculate the...

Vertex	X-intercept(s)	<b>Y-intercept</b>

**Practice:** Calculate the key features of each equation.

1. 
$$y = -\frac{1}{2}(x+3)(x-5)$$

2. 
$$y = \frac{3}{2}(x+1)(x+7)$$

Vertex:

Vertex:

X-intercept(s):

X-intercept(s):

Y-intercept:

Y-intercept:

Open up or down?

Open up or down?



How to calculate the...

Vertex	H-mtercept(s)	4 miercepi

**Practice:** Calculate the key features of each equation.

1. 
$$y = 3x^2 - x - 4$$

Vertex:

2. 
$$y = -x^2 - 6x - 8$$
  
Vertex:

X-intercept(s):

X-intercept(s):

Y-intercept:

Y-intercept:

Open up or down?

Open up or down?