

Starter

25 JAN 2018

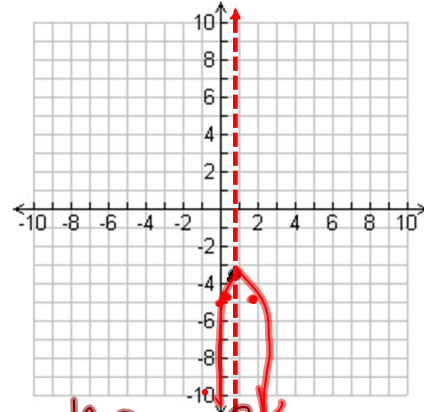
Given:  $y = -3x^2 + 4x - 5$  Sketch the graph &

Find each of the following:

Vertex:  $(.7, -3.7)$ AOS:  $x = .7$ 

Max or Min

Zeros:

X-intercepts None & noneY-intercept  $(0, -5)$  valueDomain:  $\mathbb{R}$   $<$   $>$ Range:  $y \leq -3.7$ 

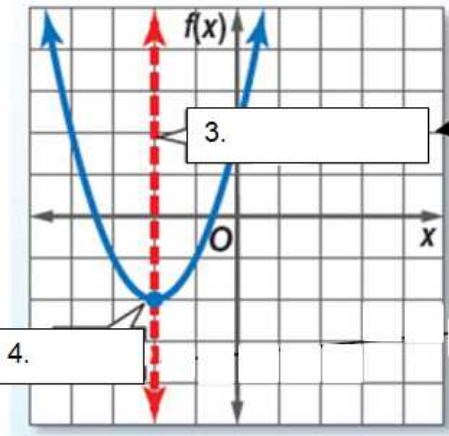
Clear your desk of everything except the calculator directions sheet, a pencil and your calculator.

After the quiz, do the **first page** of the review.

Review Graphing Quadratics Name \_\_\_\_\_

1. Standard form of a quadratic function is  $y =$  \_\_\_\_\_

2. The shape of a quadratic equation is called a \_\_\_\_\_



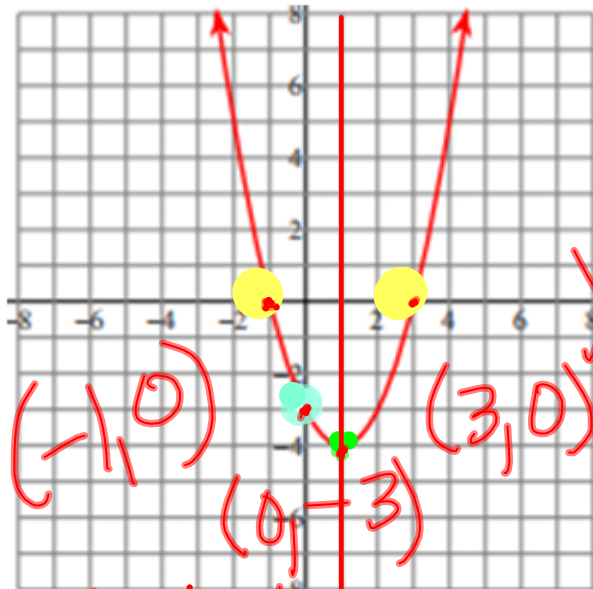
5. When the vertex is the highest point on the graph, we call that a \_\_\_\_\_.

6. When the vertex is the lowest point on the graph, we call that a \_\_\_\_\_.

7. The \_\_\_\_\_ of the quadratic function will give you the roots or solutions of the quadratic equation.

8. Solutions to quadratic equations are called \_\_\_\_\_.

1.



Vertex

(1, -3)

AOS  $x = 1$

y-int

(0, -3)

D:  $\mathbb{R}$

$R: y \geq -3$

x-intercepts

(-1, 0)

2. Given  $y = -4x^2 + 8x + 5$

Give a sketch of the graph.

