Monday, October 2, 2017

I can describe how a parent function is transformed based on a given a equation.

I can graph and compare transformed parent functions.

1) $k^2 - 13k + 40$ 2) $2x^2 + 3x - 9$

1) $k^2 - 13k + 40$

$a = 1$ $b = -13$ $c = 40$

40

-8×-5

-13

$(k-8)(k-5)$

2) $2x^2 + 3x - 9$

$a = 2 \qquad b = 3 \qquad c = -9$

$a \cdot c$

-18

$2x \qquad 2x$

$36 \qquad -3$

3

6

$(x + 3)(2x - 3)$