

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.

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

SLOT QUIZ FRIDAY

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

$a = 1$

$b = -13$ $c = 40$

~~$\begin{array}{cc} 40 & \\ -8 & -5 \\ & -13 \end{array}$~~

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

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

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

$$\begin{array}{r}
 \text{a} \cdot \text{c} \\
 \hline
 \begin{array}{r}
 1 \quad 2x \\
 \hline
 3 \quad 6
 \end{array}
 \quad
 \begin{array}{r}
 -18 \\
 \hline
 -3
 \end{array}
 \quad
 \begin{array}{r}
 2x \\
 \hline
 -3
 \end{array}
 \end{array}$$

3
b

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