

Day 4 - Stretched and Compressed Homework

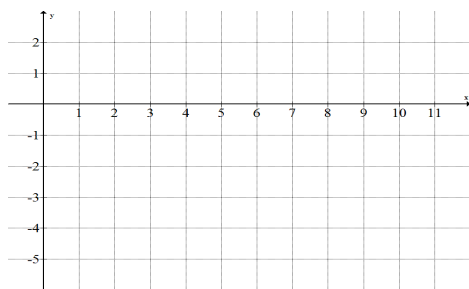
Identify the parent function, transformation, the significance of (h, k) , and make a sketch with key points.

1) $y = \sqrt{(x - 2)} - 3$

Parent Family:

Transformation:

Significance of (h, k) :

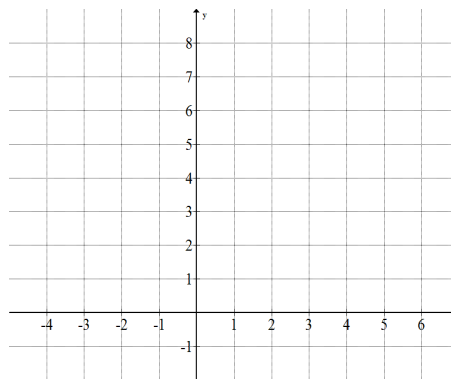


2) $y = 2\sqrt{(x + 3)} + 1$

Parent Family:

Transformation:

Significance of (h, k) :

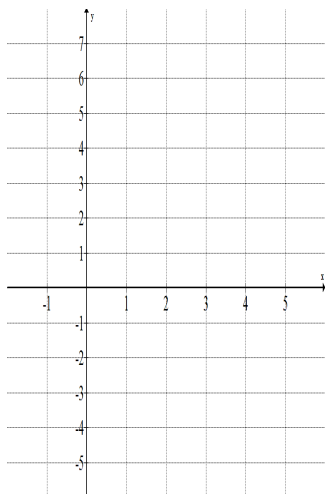


3) $y = y = 4(x - 2)^3$

Parent Family:

Transformation:

Significance of (h, k) :

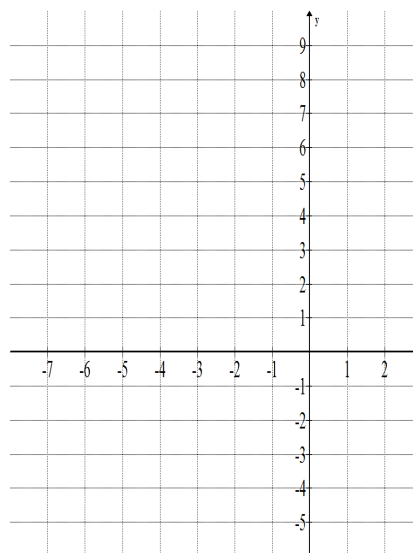


4) $y = \frac{-1}{4}(x + 3)^3 + 2$

Parent Family:

Transformation:

Significance of (h, k) :

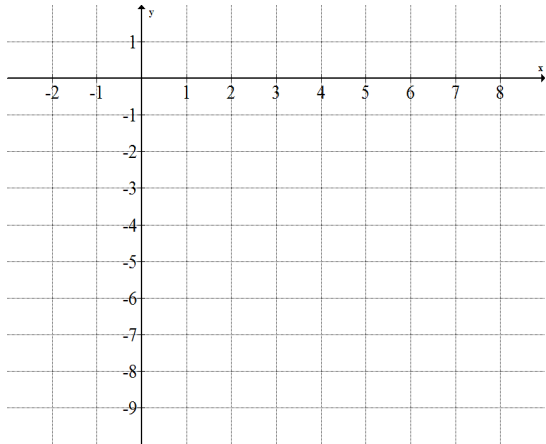


5) $y = 2(x - 3)^2 - 8$

Parent Family:

Transformation:

Significance of (h, k) :



6) $y = \frac{-1}{2}\sqrt{x + 4} + 3$

Parent Family:

Transformation:

Significance of (h, k) :

