c. Absolute Value, Dilated wider, translated left 1 and down 4. $y = \frac{1}{2}|x+1| - 4$

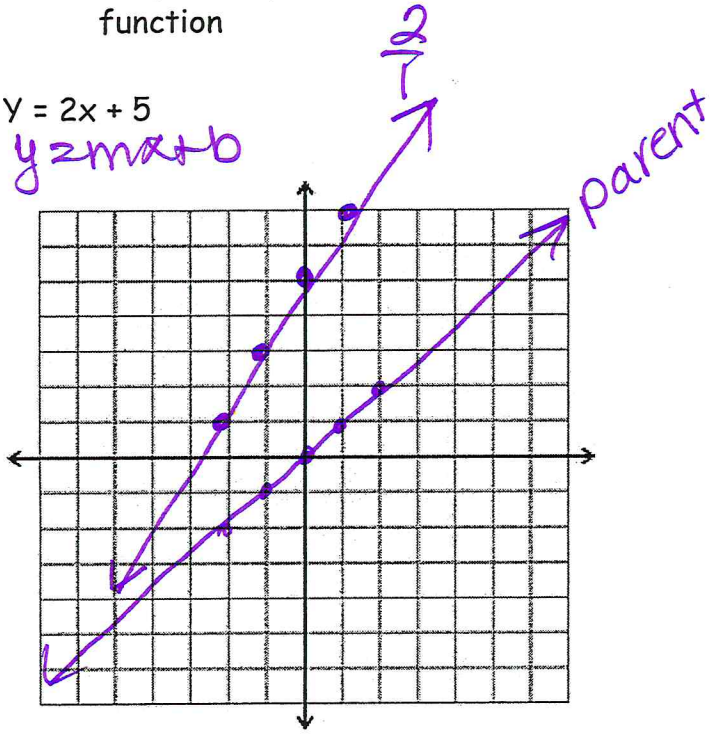
d. Cube Root, Reflected, translated down 4 and right 3.

$y = -\sqrt[3]{x-3} - 4$

12. Graph the parent and transformed function

$Y = 2x + 5$

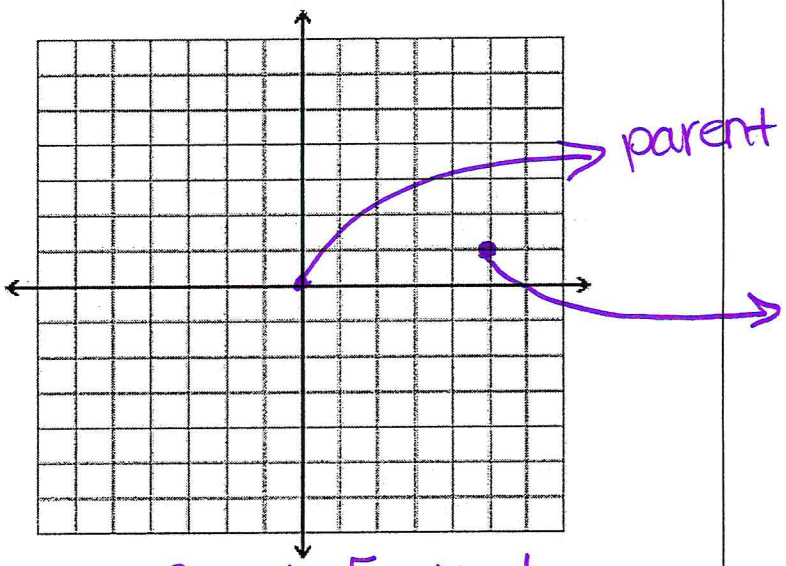
$y = mx + b$



13. Graph the parent and transformed function

$Y = -2\sqrt{x-5} + 1$

$y = \sqrt{x}$ parent



a: -2 h: 5 k: 1

ref, narr right 5 up 1

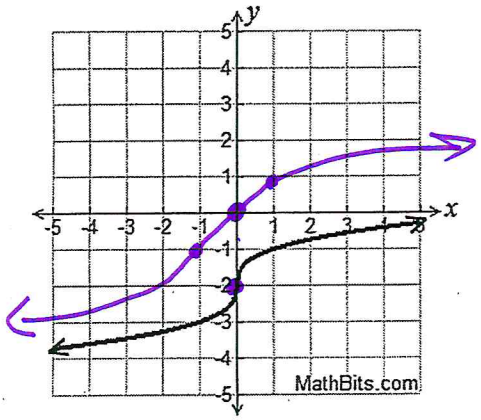
14. Write the equation from the graph

Equation: $y = \sqrt[3]{x} - 2$

$y = \sqrt[3]{x}$

$y = \sqrt[3]{x} - 2$

a: 1
h: 0
k: -2



15. Write the equation from the graph

Equation: $y = \sqrt{x-1} + 2$

$y = \sqrt{x}$

a = 1
h = 1
k = 2