

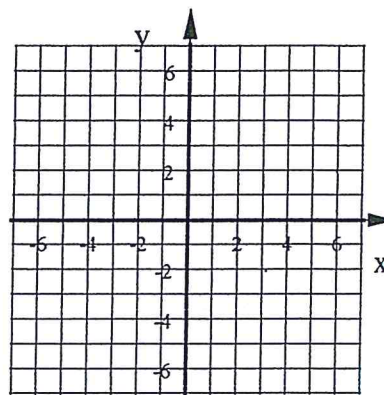
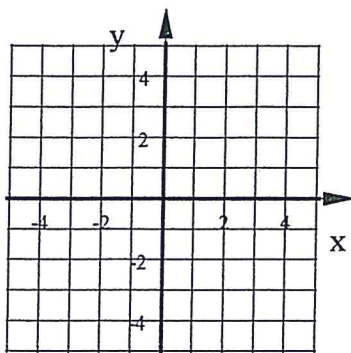
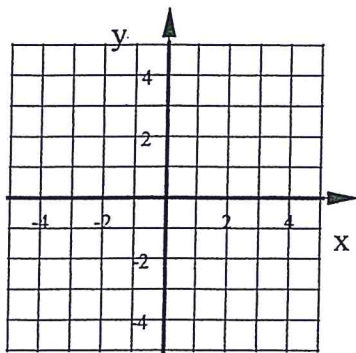
Hon Alg 2 Bellwork Tuesday, April 18, 2017

Graph each Square Root Function using at least three points.

1. $y = 3\sqrt{-(x+1)} - 4$

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

3. $y = -4\sqrt{-(x+2)} + 6$



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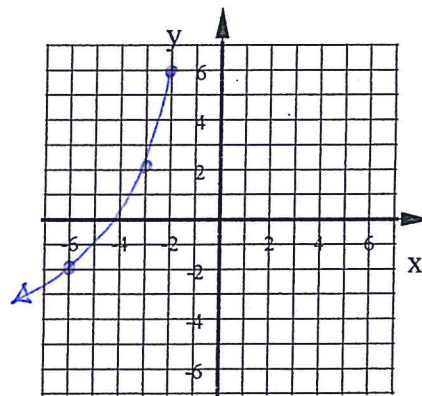
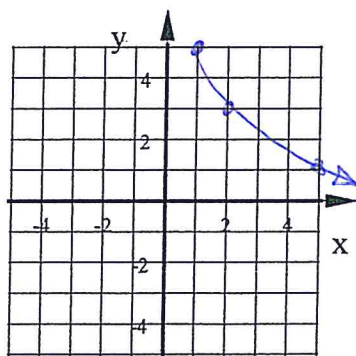
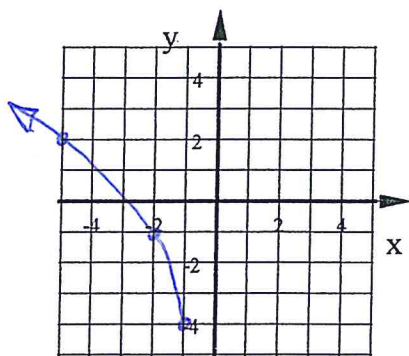
Answers

Graph each Square Root Function using at least three points.

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

3. $y = -4\sqrt{-(x+2)} + 6$



3 times taller
Backwards
START AT (-1, -4)
1 left
4 down

1st pt

$$\sqrt{1} \rightarrow 3 \downarrow -1$$

2nd pt

$$\sqrt{4} \rightarrow 6 \downarrow -4$$

upside down
2 times taller
1 right
5 up } START AT (1, 5)

1st pt

$$\sqrt{1} \rightarrow 1 - 2$$

2nd pt

$$\sqrt{4} \rightarrow 2 - 4$$

upside down
4 times taller
Backwards
2 left
6 up } START AT (-2, 6)

1st pt

$$\sqrt{1} \rightarrow -4 \downarrow -2$$

2nd pt

$$\sqrt{4} \rightarrow -8 \downarrow 6$$