SECONDARY MATH
TRANSFORMATIONS
INTRO TO PARENT FUNCTIONS

NAME_____
DATE_____
CLASS_____

Identify the parent function for h from its function rule. Then graph h on your calculator and describe what transformation of the parent function it represents.

1. $h(x) = \sqrt{x+4}$

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2. $h(x) = (x-4)^3$

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3. $h(x) = 4x^2$

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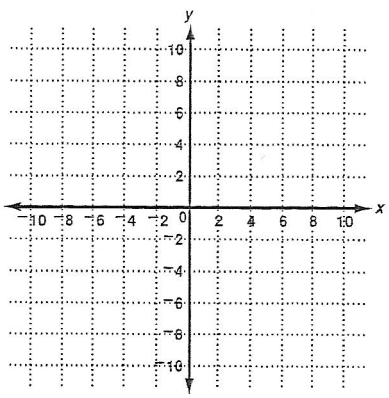
Graph the data from the table. Describe the parent function and the transformation that best approximates the data set.

4.

x	−2	−1	0	1	2
y	−9	−2	−1	0	7



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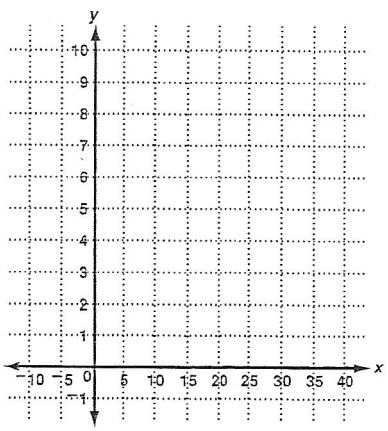
5.

x	0	2	8	18	32
y	0	1	2	3	4



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6. Compare the domain and the range for the parent quadratic function to the domain and the range for the parent linear function.

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7. Compare the domain and the range for the parent square-root function to the domain and the range for the parent cubic function.

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