Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_

Transforming Linear Equations

Predict what will happen to the graph of the following linear function in relation to the linear parent function. Use appropriate, specific transformation terminology. Number 1 is done as an example.

1. 2. 3.

*Steeper than the parent function*

*y-int is translated 3 units up*

*Reflected over the y-axis*

4. 5. 6.

7. 8. 9.

10. Write a function that has at least two transformations and compare it to the linear parent function using appropriate, specific transformation terminology.

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