Graph on each of the graphs below. Then graph each transformation on the same graph.

Describe how the transformation is different than the original.

1. Also graph

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1. Also graph
2. Also graph

1. Also graph

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Write a general statement for each of the following:

|  |  |
| --- | --- |
| y = f(x) + d | * d > 0 moves \_\_\_\_\_\_\_\_\_\_\_ * d < 0 moves \_\_\_\_\_\_\_\_\_\_\_ |
| y = f(x + c) | * c > 0 moves \_\_\_\_\_\_\_\_\_\_\_ * c < 0 moves \_\_\_\_\_\_\_\_\_\_\_\_ |
| y = a·f(x) | * a > 1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ * 0 < a < 1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| y = f(b·x) | * b > 1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ * 0 < b < 1 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| y = -f(x) | * Reflects it over \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| y = f(-x) | * Reflects it over \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

1. Also graph f) Also graph

