

Connect Tables Graphs and Linear Rules



Name: _____ Date: _____

Use the material to work through each task. Show the requested response.

One linear rule

The rule $y = 2x + 1$ adds 2 to y whenever x increases by 1.

x	y
-1	-1
0	1
1	3
2	5

1. What is the rate of change in the table?

2. What is y when x = 0?

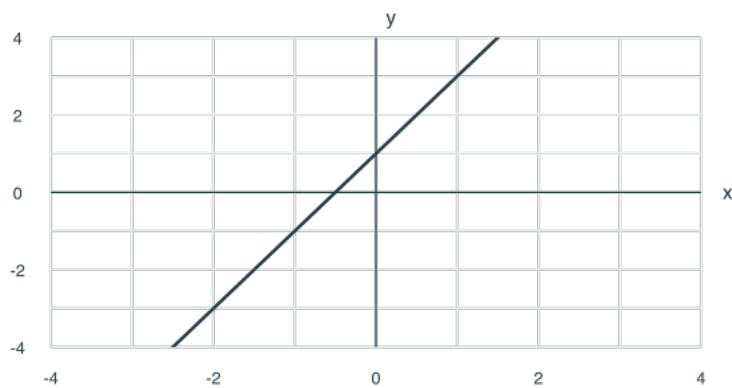
3. Use $y = 2x + 1$ to find y at x = 4.

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4. Write the equation for the graphed line.

5. For $y = 2x + 1$, find x when $y = 11$.6. Is $y = 2x + 1$ proportional? Explain.