

8.F Introduction to Linear Functions

Task

a. Decide which of the following points are on the graph of the function $y = 2x + 1$:

- $(0, 1), (2, 5), (\frac{1}{2}, 2), (2, -1), (-1, -1), (0.5, 1)$.
- Find 3 more points on the graph of the function.

b. Find several points that are on the graph of the function $y = 2x^2 + 1$.

- Plot the points in the coordinate plane. Is this a linear function?
- Support your conclusion.

c. Graph both functions and list as many differences between the two functions as you can.



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