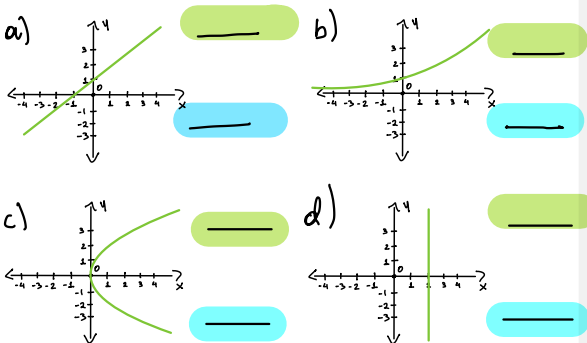


Study Guide

- 1) Line or not line?
Function or not function?



- 2) Graph the following linear function.
 $y = 2x - 1$

- 3) Which table represents a linear function and which one a non-linear one? Explain why?

a.

| x | 1 | 3 | 5 | 7 |
|---|---|---|----|----|
| y | 3 | 8 | 13 | 18 |

b.

| x | 0 | 2 | 4 | 6 |
|---|---|---|----|----|
| y | 0 | 6 | 24 | 54 |

- 4) Which of the following equations are linear functions? Explain why?

i) $2y = -3x - 1$

ii) $y = \frac{2}{x}$

iii) $-2(3x - 1) = y$

iv) $y = 2xy + 1$