

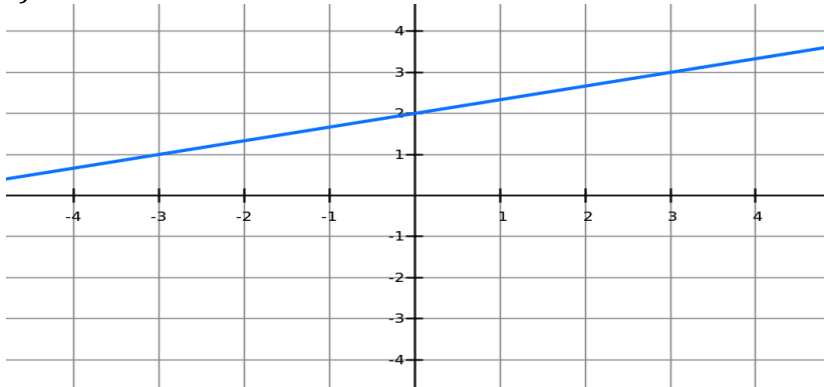
8.F.2

Which function has a greater rate of change?

Compare the two functions and determine which has the greater rate of change. Explain your answer.

1. a) $3x + 6y = 18$

b)

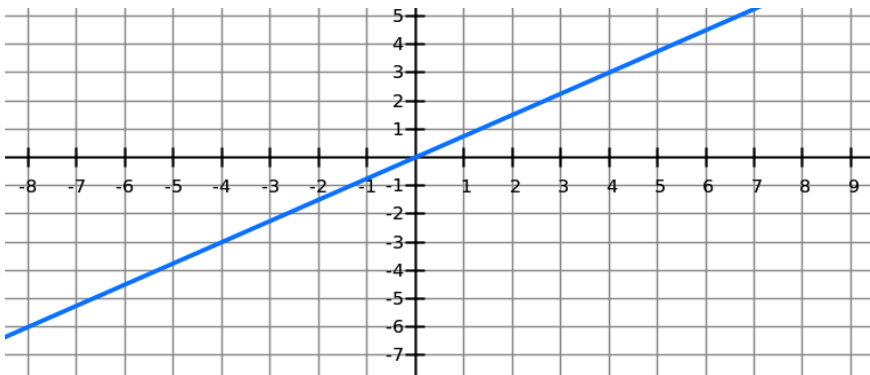


2. a)

X	Y
2	4
0	2
-2	0

b) The perimeter of a square is four times one of its sides

3. a)



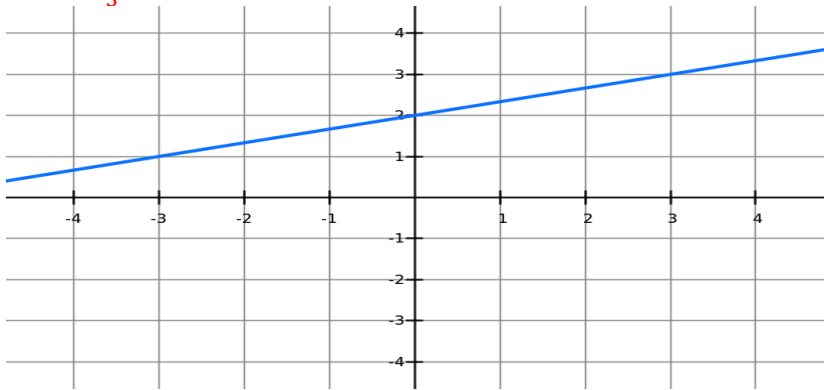
b) The area of a rectangle is three times its length

Which function has a greater rate of change? Answers

Compare the two functions and determine which has the greater rate of change. Explain your answer.

1. a) $3x + 6y = 18$ $y = -\frac{1}{2}x + 3$

b) $y = \frac{1}{3}x + 2$ This means that b) has a greater rate of change.

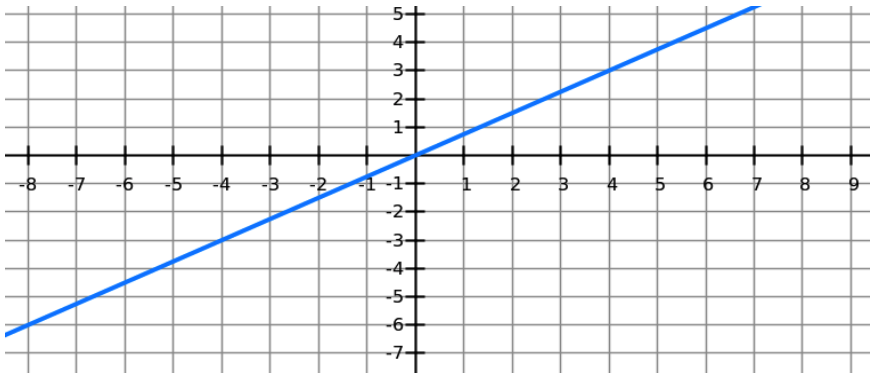


2. a) $y = x + 2$

X	Y
2	4
0	2
-2	0

b) The perimeter of a square is four times one of its sides $p = 4s$ Part b) is greater

3. a) $y = \frac{3}{4}x$



b) The area of a rectangle is three times its length $A = 3l$ Part b) is greater