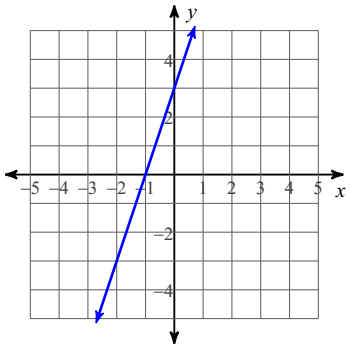
Grade 8 Math Name_____ ID: 1

Extra Practice on Finding the Rule

Determine the rule for each line. Hint: You may wish to make a table of values.

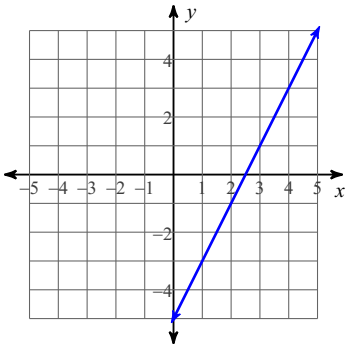
1)



A) $y = -x + 3$ B) $y = 3x + 3$

C) $y = -3x + 3$ D) $y = x + 3$

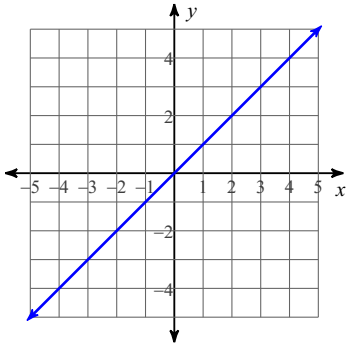
2)



A) $y = x - 5$ B) $y = -2x - 5$

C) $y = -x - 5$ D) $y = 2x - 5$

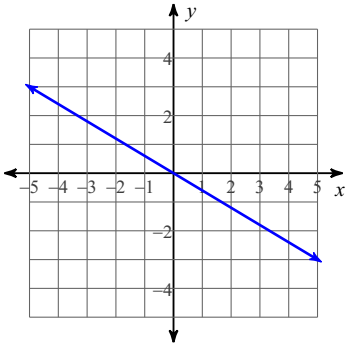
3)



A) $y = -4x$ B) $y = x$

C) $y = -4$ D) $x = -4$

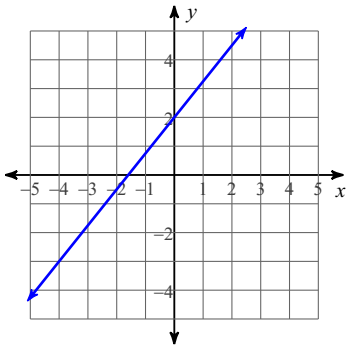
4)



A) $y = -\frac{3}{5}x$ B) $y = -\frac{2}{5}$

C) $y = -x - \frac{2}{5}$ D) $y = -\frac{2}{5}x$

5)



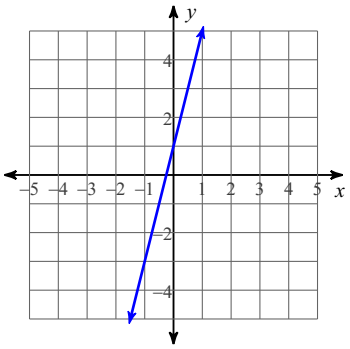
A) $y = -\frac{1}{2}x + 2$

B) $y = -\frac{5}{2}x + 2$

C) $y = \frac{5}{4}x + 2$

D) $y = \frac{5}{2}x + 2$

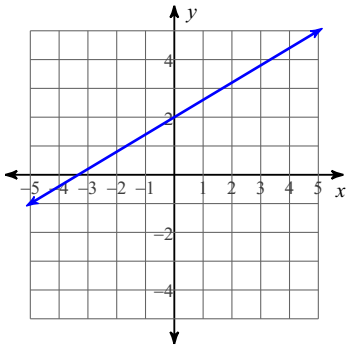
6)



A) $y = 4x + 1$ B) $y = -4x + 1$

C) $y = x + 4$ D) $y = -x + 4$

7)



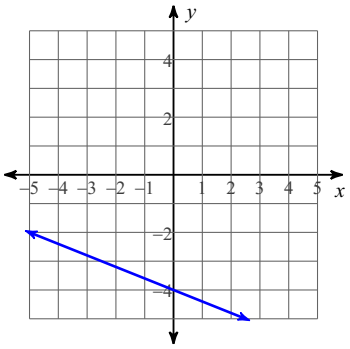
A) $y = -\frac{3}{5}x + 2$

B) $y = 2x + \frac{3}{5}$

C) $y = \frac{3}{5}x + 2$

D) $y = -\frac{2}{5}x + 2$

8)



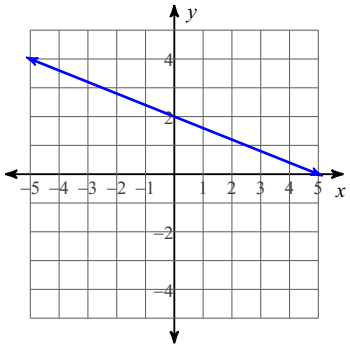
A) $y = \frac{4}{5}x - 4$

B) $y = -\frac{2}{5}x - 4$

C) $y = -\frac{4}{5}x - 4$

D) $y = \frac{2}{5}x - 4$

9)



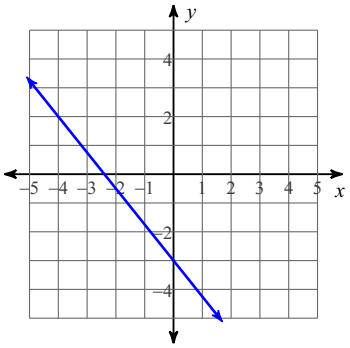
A) $y = \frac{2}{5}x + 2$

B) $y = -\frac{1}{5}x + 2$

C) $y = -\frac{2}{5}x + 2$

D) $y = 2x - \frac{1}{5}$

10)



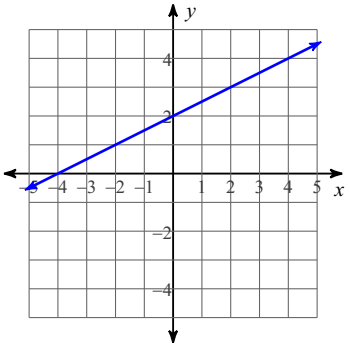
A) $y = x - 3$

B) $y = -x - 3$

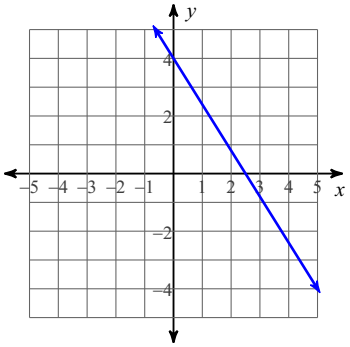
C) $y = -\frac{5}{4}x - 3$

D) $y = -2x - 3$

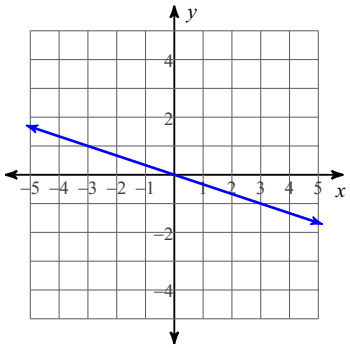
11)



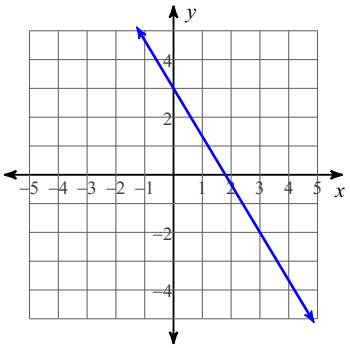
12)



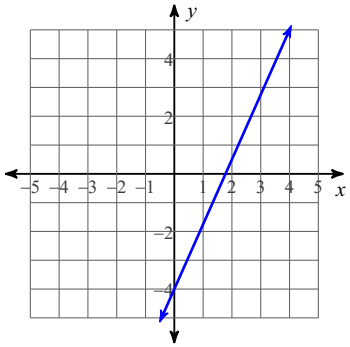
13)



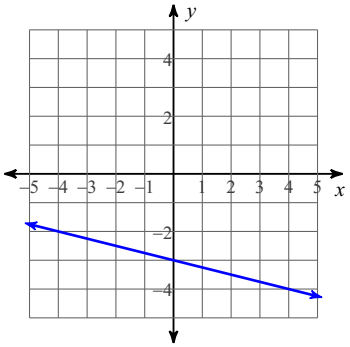
14)



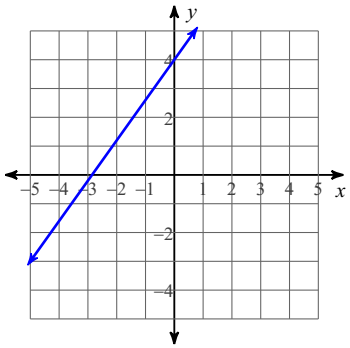
15)



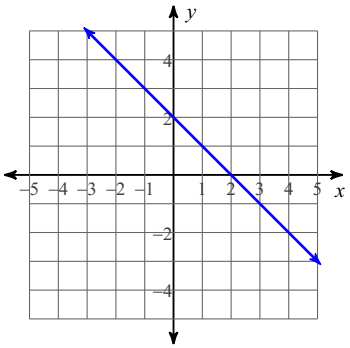
16)



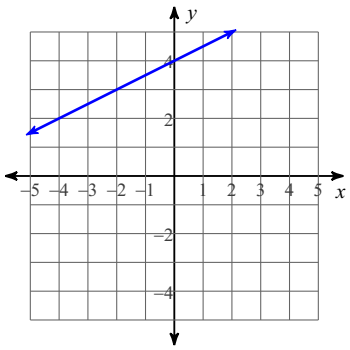
17)



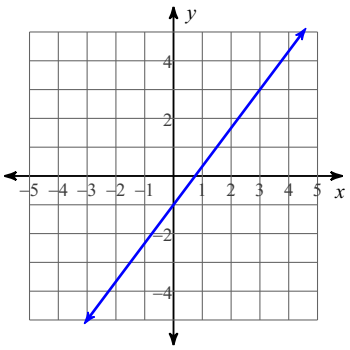
18)



19)



20)



Answers to Extra Practice on Finding the Rule (ID: 1)

1) B
2) D
3) B
4) A
5) C
6) A
7) C
8) B
9) C
10) C
11) $y = \frac{1}{2}x + 2$
12) $y = -\frac{8}{5}x + 4$
13) $y = -\frac{1}{3}x$
14) $y = -\frac{5}{3}x + 3$
15) $y = \frac{9}{4}x - 4$
16) $y = -\frac{1}{4}x - 3$
17) $y = \frac{7}{5}x + 4$
18) $y = -x + 2$
19) $y = \frac{1}{2}x + 4$
20) $y = \frac{4}{3}x - 1$