0520 Geometry

Name_____

Slope #2

Date_____ Period_____

Find the slope and the y-intercept of each line.

1) $y = \dfrac{5}{4}x + 3$

2) $y = -x - 1$

3) $y = 0$

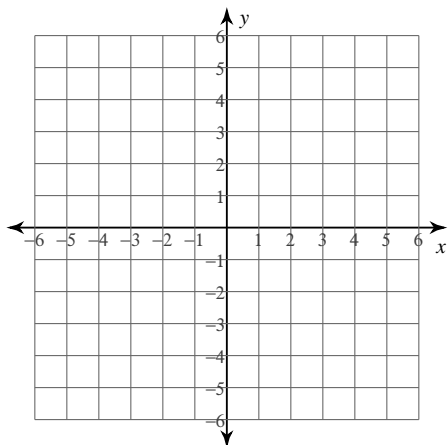4) $y = \dfrac{1}{4}x - 1$

5) $y = \dfrac{5}{4}x$

6) $y = -\dfrac{7}{2}x + 2$
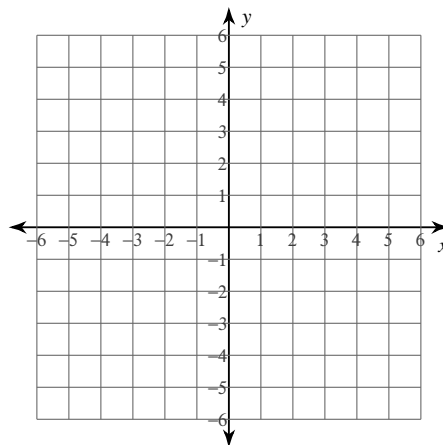
7) $y = \dfrac{8}{5}x + 3$

8) $y = -\dfrac{2}{5}x + 1$

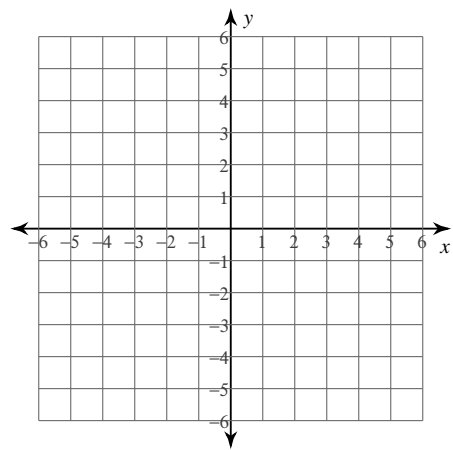**Identify the slope and y-intercept of each line and then sketch the graph.**
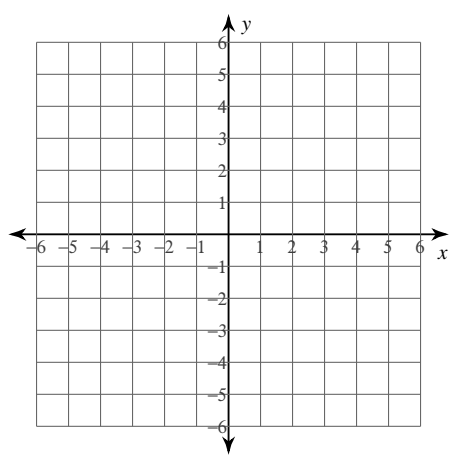
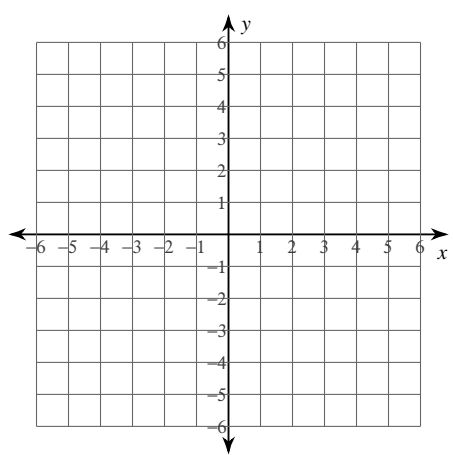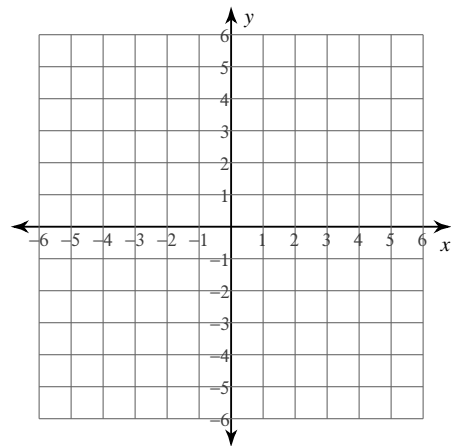9) $y = 4x - 4$

10) $y = \dfrac{1}{3}x - 1$

11) $y = -5$
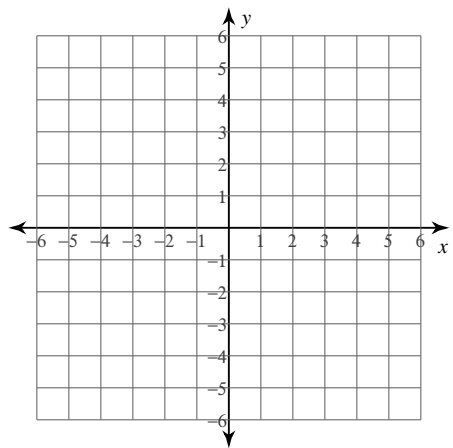
12) $y = -\dfrac{1}{5}x + 1$

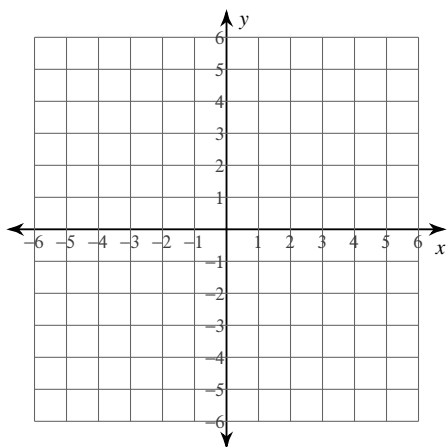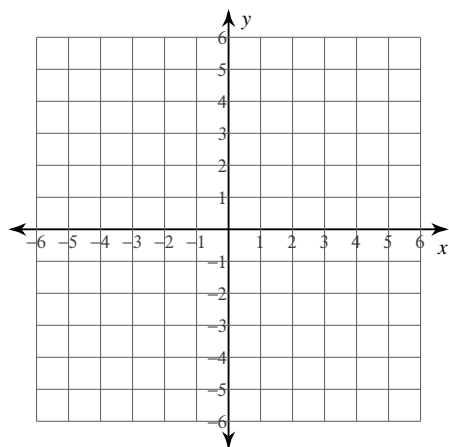13) $y = -\dfrac{1}{4}x - 3$
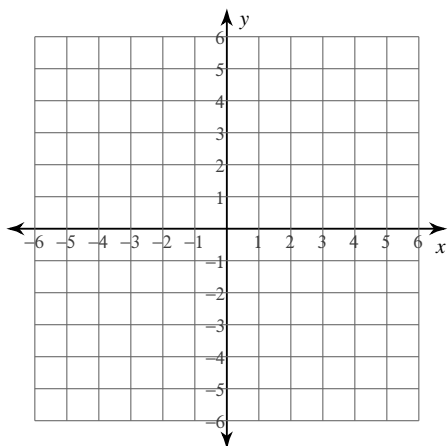
14) $y = 5$

15) $y = -x$

16) $y = -\dfrac{1}{5}x + 5$
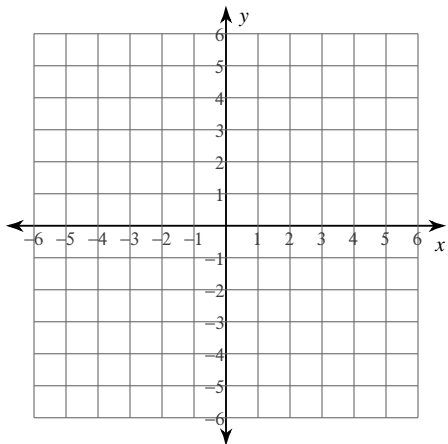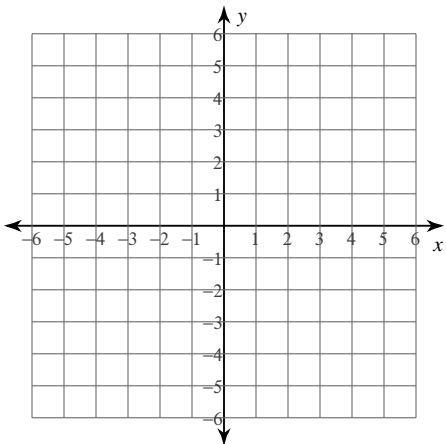
17) $y = -\dfrac{8}{3}x - 3$

18) $x = -1$

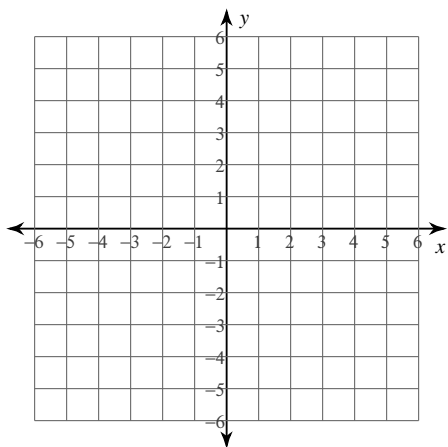**Sketch the graph of each line and find the slope of the line.**

19) x-intercept $= -1$, y-intercept $= -3$
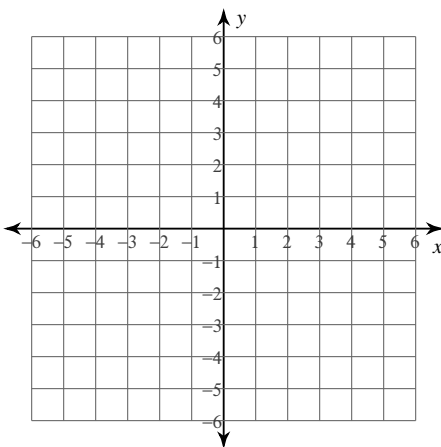
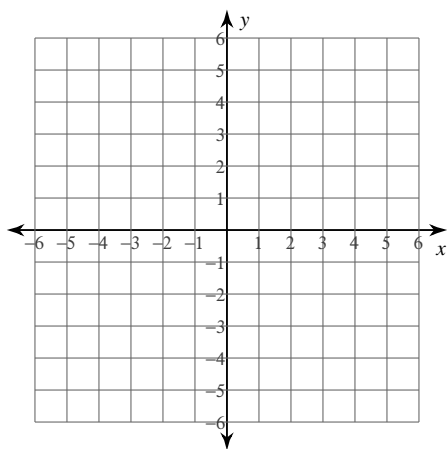20) x-intercept $= 3$, y-intercept $= 4$

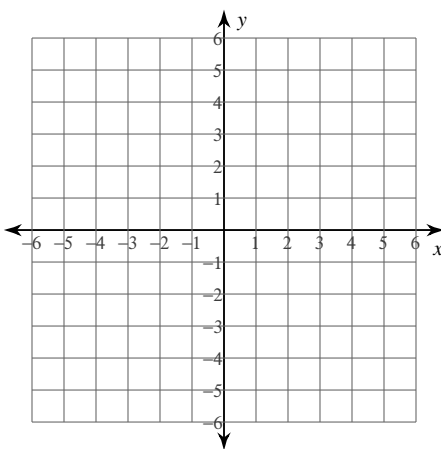21) *x*-intercept = −3, *y*-intercept = 1

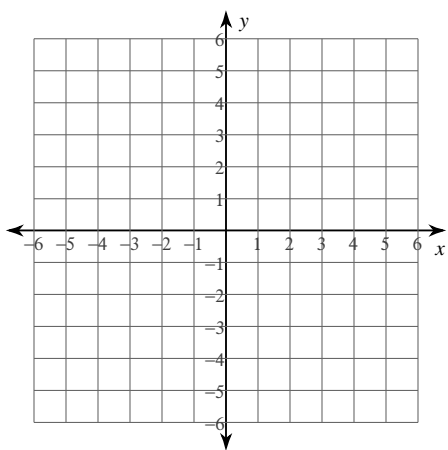22) *x*-intercept = 2, *y*-intercept = −2

23) *x*-intercept = 5, *y*-intercept = 1

24) *x*-intercept = 3, *y*-intercept = 5

25) *x*-intercept = −4, *y*-intercept = −5

26) *x*-intercept = 4, *y*-intercept = −1