

Write the equation of the line with the given information. Then graph the odd numbered-problems.

1) Slope = 2, y-intercept = -2

2) Slope = -1, y-intercept = 0

3) Slope = $\frac{1}{3}$, y-intercept = 4

4) Slope = $\frac{2}{5}$, y-intercept = 2

5) Slope = $-\frac{3}{2}$, y-intercept = 5

6) $6x - y = 4$

7) $3x + 5y = -35$

8) $x - 5y = -20$

9) $x + 2y = -2$

10) $2x - 7y = -7$

11) through: (1, -3), slope = undefined

12) through: (-3, 5), slope = -1

13) through: (2, -3), slope = $-\frac{7}{2}$

14) through: (-5, 0), slope = $\frac{4}{5}$

15) through: (-1, 4), slope = 1

16) through: (0, -3) and (-1, 5)

17) through: (0, 4) and (-4, -5)

18) through: (0, -2) and (-1, -3)

19) through: (-1, -5) and (3, -5)

20) through: (-5, -2) and (0, -5)