Name: _____

Identifying Slope and Y-Intercept

Find the slope (m) and y-intercept (b) of each line.

1. $y = 1/2x + 7$ = _____
2. $y = -2/3x + 4$ = _____
3. $3x + 3y = 0$ = _____
4. $4x + 2y = -5$ = _____
5. $y = 1/2x - 6$ = _____
6. $y = 2x + 6$ = _____
7. $y = 4x + 2$ = _____
8. $4x + 1y = 2$ = _____
9. $y = 1/2x + 1$ = _____
10. $y = 5x + 1$ = _____
11. $5x + 1y = -10$ = _____
12. $4x + 4y = 1$ = _____
13. $y = -x + 3$ = _____
14. $1x + 1y = -1$ = _____
15. $y = 4x - 3$ = _____
16. $y = -3x + 1$ = _____
17. $1x + 1y = 3$ = _____
18. $y = -3x - 3$ = _____
19. $y = -5x - 6$ = _____
20. $5x + 1y = 5$ = _____

Name: **ANSWER KEY**

Identifying Slope and Y-Intercept

Find the slope (m) and y-intercept (b) of each line.

1. $y = \frac{1}{2}x + 7$ = m = 1/2, b = 7
2. $y = -\frac{2}{3}x + 4$ = m = −2/3, b = 4
3. $3x + 3y = 0$ = m = −1, b = 0
4. $4x + 2y = -5$ = m = −2, b = −2 1/2
5. $y = \frac{1}{2}x - 6$ = m = 1/2, b = −6
6. $y = 2x + 6$ = m = 2, b = 6
7. $y = 4x + 2$ = m = 4, b = 2
8. $4x + 1y = 2$ = m = −4, b = 2
9. $y = \frac{1}{2}x + 1$ = m = 1/2, b = 1
10. $y = 5x + 1$ = m = 5, b = 1
11. $5x + 1y = -10$ = m = −5, b = −10
12. $4x + 4y = 1$ = m = −1, b = 1/4
13. $y = -x + 3$ = m = −1, b = 3
14. $1x + 1y = -1$ = m = −1, b = −1
15. $y = 4x - 3$ = m = 4, b = −3
16. $y = -3x + 1$ = m = −3, b = 1
17. $1x + 1y = 3$ = m = −1, b = 3
18. $y = -3x - 3$ = m = −3, b = −3
19. $y = -5x - 6$ = m = −5, b = −6
20. $5x + 1y = 5$ = m = −5, b = 5