Name: _____

Writing Equations from Two Points

Write the equation of the line through each pair of points in slope-intercept form.

1. (6, 1) and (3, −2) y = = _____
2. (0, 2) and (−1, 0) y = = _____
3. (−1, −4) and (5, 14) y = = _____
4. (−4, 6) and (−6, 10) y = = _____
5. (2, 4) and (−4, −8) y = = _____
6. (4, −5) and (2, −1) y = = _____
7. (−6, −7) and (4, −2) y = = _____
8. (−6, −7) and (−5, −5) y = = _____
9. (2, −4) and (−4, −7) y = = _____
10. (−4, 1) and (−2, 0) y = = _____
11. (−2, −4) and (−6, −8) y = = _____
12. (−6, 6) and (1, −1) y = = _____
13. (4, 0) and (−1, 5) y = = _____
14. (−6, −24) and (5, 9) y = = _____
15. (−4, −5) and (5, 13) y = = _____
16. (−1, 5) and (6, −2) y = = _____
17. (−1, 1) and (5, 7) y = = _____
18. (−6, −9) and (5, 13) y = = _____
19. (0, 4) and (3, −2) y = = _____
20. (−3, 9) and (−6, 18) y = = _____

Name: **ANSWER KEY**

Writing Equations from Two Points

Write the equation of the line through each pair of points in slope-intercept form.

1. (6, 1) and (3, −2) y = = x − 5
2. (0, 2) and (−1, 0) y = = 2x + 2
3. (−1, −4) and (5, 14) y = = 3x − 1
4. (−4, 6) and (−6, 10) y = = −2x − 2
5. (2, 4) and (−4, −8) y = = 2x
6. (4, −5) and (2, −1) y = = −2x + 3
7. (−6, −7) and (4, −2) y = = 1/2x − 4
8. (−6, −7) and (−5, −5) y = = 2x + 5
9. (2, −4) and (−4, −7) y = = 1/2x − 5
10. (−4, 1) and (−2, 0) y = = −1/2x − 1
11. (−2, −4) and (−6, −8) y = = x − 2
12. (−6, 6) and (1, −1) y = = −x
13. (4, 0) and (−1, 5) y = = −x + 4
14. (−6, −24) and (5, 9) y = = 3x − 6
15. (−4, −5) and (5, 13) y = = 2x + 3
16. (−1, 5) and (6, −2) y = = −x + 4
17. (−1, 1) and (5, 7) y = = x + 2
18. (−6, −9) and (5, 13) y = = 2x + 3
19. (0, 4) and (3, −2) y = = −2x + 4
20. (−3, 9) and (−6, 18) y = = −3x