Writing Linear Equations

Write the equation of the line through the given points.

1) through: (1, −2), (2, 3)  
2) through: (−2, 1), (1, 4)  
3) through: (−2, 1), (0, 5)  
4) through: (5, 4), (2, 1)  
5) through: (−4, 9), (3, 2)  
6) through: (8, 3), (7, 2)  
7) through: (7, −2), (5, 2)  
8) through: (−3, 9), (5, −7)  
9) through: (6, 8), (4, 14)  
10) through: (5, 9), (7, −3)  
11) through: (−2, 8), (−6, −4)  
12) through: (3, 3), (1, −5)  
13) through: (8, −5), (−5, 8)  
14) through: (2, −6), (−1, 3)  
15) through: (5, 5), (2, −4)  
16) through: (−1, 8), (2, −7)

Solve each problem.

17) What is the equation of a line with slope 2 and intercept 4? _______________
18) What is the equation of a line with slope 4 and intercept 12? _______________
19) What is the equation of a line with slope 4 and passes through point (4, 2)? _______________
20) What is the equation of a line with slope −2 and passes through point (−2, 4)? _______________
21) The slope of a line is −3 and it passes through point (−1, 5). What is the equation of the line? _______________
22) The slope of a line is 3 and it passes through point (−1, 4). What is the equation of the line? _______________
Math Worksheets

Name: __________
Date: __________

Answers

Writing Linear Equations

1) \( y = 5x - 7 \)  
2) \( y = x + 3 \)  
3) \( y = 2x + 5 \)  
4) \( y = x - 1 \)  
5) \( y = -x + 5 \)  
6) \( y = x - 5 \)  
7) \( y = -2x + 12 \)  
8) \( y = -2x + 3 \)  
9) \( y = -3x + 26 \)  
10) \( y = -6x + 39 \)  
11) \( y = 3x + 14 \)  
12) \( y = 4x - 9 \)  
13) \( y = -x + 3 \)  
14) \( y = -3x \)  
15) \( y = 3x - 10 \)  
16) \( y = -5x + 3 \)  
17) \( y = 2x + 4 \)  
18) \( y = 4x + 12 \)  
19) \( y = 4x - 14 \)  
20) \( y = -2x + 8 \)  
21) \( y = -3x + 2 \)  
22) \( y = 3x + 7 \)

... So Much More Online! Please visit: www.EffortlessMath.com