

State the slope of the line containing the given points. Then, write an equation.

1. (2, 1) and (3, 2) *The slope is 1.*
2. (-4, 2) and (-3, 1)
3. (2, 4) and (2, 5)
4. (6, -3) and (5, -4)
5. (-3, 6) and (3, -6)
6. (4, -2) and (5, -2)
7. (5, -1) and (8, -3)
8. (-4, 3) and (-4, -3)
9. (-2, -5) and (-4, -5)
10. (-2, -2) and (1, 2)
11. (2, 5) and (-3, 0)
12. (-1, 3) and (-5, 3)
13. (-2, 4) and (1, 3)
14. (-5, 5) and (-2, 1)
15. (10, -1) and (10, -7)
16. (7, -2) and (0, 2)

Write

~~Graph~~ the line with the given slope m containing the given point P .

17. $P = (0, -3); m = 1$
18. $P = (-1, 4); m = -2$
19. $P = (-2, -1); m = -\frac{1}{2}$
20. $P = (-3, -2); m = \frac{1}{3}$
21. $P = (-3, 1); m = 3$
22. $P = (0, 3); m = -1$
23. $P = (1, 2);$ no slope
24. $P = (-3, -4); m = 4$
25. $P = (3, -4); m = -\frac{2}{3}$
26. $P = (2, -3); m = 0$
27. $P = (0, -2); m = -3$
28. $P = (2, 0);$ no slope
29. $P = (1, 3); m = 0$
30. $P = (4, -1); m = \frac{1}{3}$
31. $P = (-1, -1); m = 3$
32. $P = (4, -3); m = -1$