

**Practice Masters Level A****5.5 The Standard and Point-Slope Forms**

Write each equation in standard form.

1. $6x = 4y + 20$ _____
2. $-2x = 5y + 16$ _____
3. $5x = -10y + 3$ _____
4. $8x - 21y + 13 = 0$ _____
5. $19x + y - 2 = 0$ _____
6. $14y = 2x + 18$ _____
7. $9y = 12x - 35$ _____
8. $12x - 34y - 25 = 0$ _____
9. $3x = -5y + 1$ _____
10. $10x + 2y - 8 = 0$ _____

Write an equation in point-slope form for the line that has the given slope and that contains the given point.

11. slope 7, (1, 8) _____
12. slope 2, (4, 0) _____
13. slope 4, (7, 2) _____
14. slope 5, (6, 3) _____
15. slope 3, (8, 4) _____
16. slope 10, (5, 1) _____

Find the x - and y -intercepts for the graph of each equation.

17. $5x + 2y = 10$ _____
18. $3x + 2y = 12$ _____
19. $6x + 10y = 30$ _____
20. $2x + y = 14$ _____
21. $x + 5y = 15$ _____
22. $7x + 3y = 21$ _____
23. $10x - 3y = 30$ _____
24. $9x + 2y = 36$ _____

Write an equation in point-slope form for the line that contains each pair of points.

25. (5, 4), (7, 12) _____
26. (1, 3), (2, 8) _____
27. (7, 14), (4, 2) _____
28. (6, 4), (10, 20) _____

Write an equation in standard form for the line that contains each pair of points.

29. (2, 9), (1, 3) _____
30. (5, 22), (3, 12) _____
31. (9, 8), (4, 7) _____
32. (5, 8), (2, 2) _____