

**Part B**

Write an equation in slope-intercept form for the line that is parallel to the given line and that passes through the given point.

22.  $y = 3x - 7$ ; (0, 4)

23.  $y = \frac{1}{2}x + 5$ ; (4, -3)

24.  $4y = x$ ; (4, 0)

25.  $y = 2x + 3$ ; (1, 7)

26.  $5x - 2y = 10$ ; (3, -5)

27.  $y = 3x - 4$ ; (-2, 7)

28.  $y = 7$ ; (2, 4)

29.  $x + y = 1$ ; (2, 3)

30.  $2x + 3y = 7$ ; (4, 5)

31.  $y = 4x + 2$ ; (5, -3)

32.  $y = \frac{1}{2}x - 1$ ; (0, -4)

33.  $3x + 4y = 8$ ; (4, -3)

Write an equation in slope-intercept form for the line that is perpendicular to the given line and that passes through the given point.

34.  $y = -3x + 4$ ; (6, -2)

35.  $y = x - 6$ ; (-1, 2)

36.  $3x - 4y = 8$ ; (-6, 5)

37.  $5x + 2y = 10$ ; (3, -5)

38.  $y = 5 - 3x$ ; (2, -4)

39.  $-10x + 2y = 8$ ; (4, -3)

40.  $2x + 3y = 7$ ; (4, 5)

41.  $4x - 2y = -6$ ; (3, -2)

42.  $-2x - 8y = 16$ ; (4, 5)

43.  $y = -2x + 4$ ; (-2, 5)

44.  $y = x - 5$ ; (0, 5)

45.  $x + y = 2$ ; (8, 5)