

Chapter Test B

For use after Chapter 5

14. Write an equation of a line that is perpendicular to $y = -3x + 5$ and passes through $(4, 3)$.

Write an equation in point-slope form of the line that passes through the given points.

15. $(5, -6), (1, -7)$ 16. $(6, -3), (-1, 9)$

Write the equation in standard form with integer coefficients.

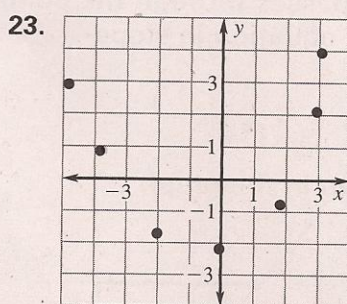
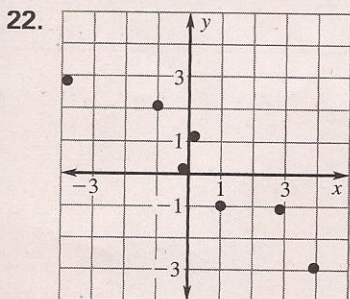
17. $0.5x - 2y - 0.75 = 0$ 18. $y = -\frac{1}{3}x - 5$

Write the equations in standard form of the horizontal and vertical lines that pass through the point.

19. $(2, 4)$ 20. $(-5, 4)$

21. You are at the music store looking for CDs. The store has CDs for \$10 and \$15. You have \$55.00 to spend. Write an equation that represents the different numbers of \$10 and \$15 CDs that you can buy.

Tell whether it is reasonable for the graph to be represented by a linear model.



14. _____
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 16. _____
 17. _____
 18. _____
 19. _____
 20. _____
 21. _____
 22. _____
 23. _____