11. 3, $-\frac{9}{4}$

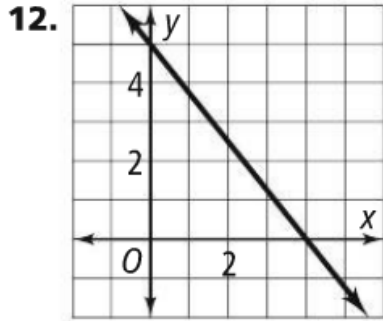**12.**

13. horizontal line   **14.** $x - 2y = -6$

15. $10x + 25y = 285$; answers may vary. Sample:
1 $10 card and 11 $25 cards, 6 $10 cards
and 9 $25 cards, 11 $10 cards and 7 $25 cards
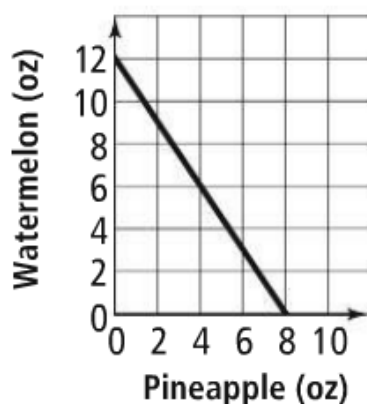
16. **a.** point-slope form

b. slope-intercept form

c. point-slope form

d. standard form

17. Answers may vary. Sample: slope-intercept
form; it is easy to find the y-intercept and
calculate the slope from the graph.

18. When you have a slope and the y-intercept,
use the slope-intercept form. When you have
two points or a slope and a point, use the
point-slope form. When you have the standard
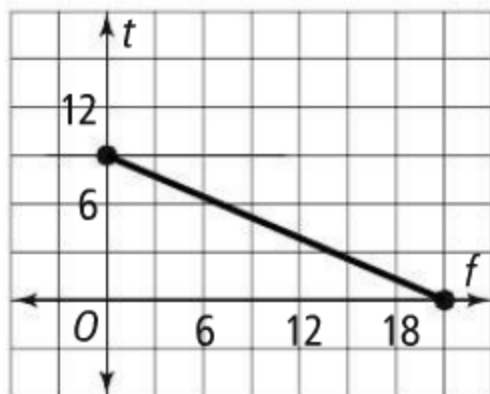form, it is easy to graph.

19.

Fruit Salad

21. $-\dfrac{A}{B}, \dfrac{C}{B}$

22. Answers may vary. Sample: The student did not subtract 1 from each side of the equation. The correct equation is $4x - y = -1$.

23. If both values are 0, then the equation becomes $0 = C$, which does not represent a line.

30. Both functions have a y-intercept at $(0, 3)$. Both functions have a negative slope. The first function has a slope of $-\dfrac{3}{4}$ and the second function has a slope of $-\dfrac{1}{2}$.

37. $3f + 7t = 63$

21 field goals and 0 touchdowns, 14 field goals and 3 touchdowns, 7 field goals and 6 touchdowns, 0 field goals and 9 touchdowns