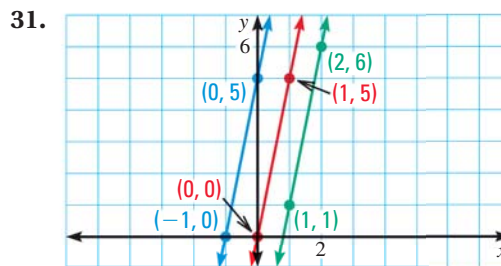
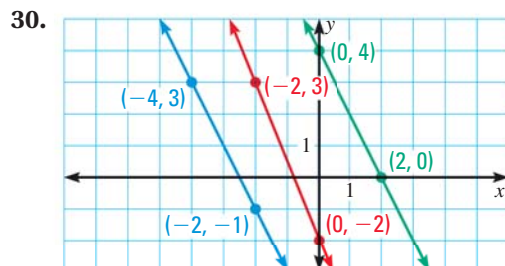


GRAPHING EQUATIONS Graph the equation.

21. $y = -6x + 1$ 22. $y = 3x + 2$ 23. $y = -x + 7$
 24. $y = \frac{2}{3}x$ 25. $y = \frac{1}{4}x - 5$ 26. $y = -\frac{5}{2}x + 2$
 27. $7x - 2y = -11$ 28. $-8x - 2y = 32$ 29. $-x - 0.5y = 2.5$

EXAMPLE 5

on p. 246
for Exs. 30–35

PARALLEL LINES Determine which lines are parallel.**PARALLEL LINES** Tell whether the graphs of the two equations are parallel lines. *Explain your reasoning.*

32. $y = 5x - 7$, $5x + y = 7$ 33. $y = 3x + 2$, $-7 + 3x = y$
 34. $y = -0.5x$, $x + 2y = 18$ 35. $4x + y = 3$, $x + 4y = 3$
 36. **TAKS REASONING** Write the equation of a line that is parallel to $6x + y = 24$. *Explain your reasoning.*

REASONING Find the value of k so that the lines through the given points are parallel.

37. Line 1: $(-4, -2)$ and $(0, 0)$ 38. Line 1: $(-1, 9)$ and $(-6, -6)$
 Line 2: $(2, 7)$ and $(k, 5)$ Line 2: $(-7, k)$ and $(0, -2)$
 39. **CHALLENGE** Find the slope and y -intercept of the graph of the equation $Ax + By = C$ where $B \neq 0$. Use your results to find the slope and y -intercept of the graph of $3x + 2y = 18$.

PROBLEM SOLVING**EXAMPLES 3 and 4**

on pp. 245–246
for Exs. 40–44

40. **HOCKEY** Your family spends \$60 on tickets to a hockey game and \$4 per hour for parking. The total cost C (in dollars) is given by $C = 60 + 4t$ where t is the time (in hours) your family's car is parked.
- Graph the equation.
 - Suppose the parking fee is raised to \$5.50 per hour so that the total cost of tickets and parking for t hours is $C = 60 + 5.5t$. Graph the equation in the same coordinate plane as the equation in part (a).
 - How much more does it cost to go to a game for 4 hours after the parking fee is raised?



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