63. TAKS REASONING You receive a $\$ 30$ gift card to a shop that sells fruit smoothies for $\$ 3$. If you graph an equation of the line that represents the money $y$ remaining on the card after you buy $x$ smoothies, what will the $y$-intercept be? Will the line rise or fall from left to right? Explain.
64. MULTI-STEP PROBLEM You and a friend kayak 1800 yards down a river. You drift with the current partway at 30 yards per minute and paddle partway at 90 yards per minute. The trip is modeled by $30 x+90 y=1800$ where $x$ is the drifting time and $y$ is the paddling time (both in minutes).

a. Graph the equation, and determine a reasonable domain and range. What do the $x$ - and $y$-intercepts represent?
b. If you paddle for 5 minutes, what is the total trip time?
c. If you paddle and drift equal amounts of time, what is the total trip time?
65. VOLUNTEERING You participate in a 14 mile run/walk for charity. You run partway at 6 miles per hour and walk partway at 3.5 miles per hour. A model for this situation is $6 r+3.5 w=14$ where $r$ is the time you run and $w$ is the time you walk (both in hours). Graph the equation. Give three possible combinations of running and walking times.
66. TICKETS An honor society has $\$ 150$ to buy science museum and art museum tickets for student awards. The numbers of tickets that can be bought are given by $5 s+7 a=150$ where $s$ is the number of science museum tickets (at $\$ 5$ each) and $a$ is the number of art museum tickets (at $\$ 7$ each). Graph the equation. Give two possible combinations of tickets that use all \$150.
67. MULTIPLE REPRESENTATIONS A hot air balloon is initially 200 feet above the ground. The burners are then turned on, causing the balloon to ascend at a rate of 150 feet per minute.
a. Making a Table Make a table showing the height $h$ (in feet) of the balloon $t$ minutes after the burners are turned on where $0 \leq t \leq 5$.
b. Drawing a Graph Plot the points from the table in part (a). Draw a line through the points for the domain $0 \leq t \leq 5$.
c. Writing an Equation The balloon's height is its initial height plus the product of the ascent rate and time. Write an equation representing this.
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68. TAKS REASONING You and a friend are each typing your research papers on computers. The function $y=1400-50 x$ models the number $y$ of words you have left to type after $x$ minutes. For your friend, $y=1200-50 x$ models the number $y$ of words left to type after $x$ minutes.
a. Graph the two equations in the same coordinate plane. Describe how the graphs are related geometrically.
b. What do the $x$-intercepts, $y$-intercepts, and slopes represent?
c. Who will finish first? Explain.
