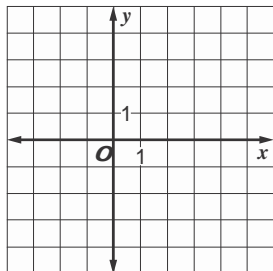


# Lesson 5 Skills Practice

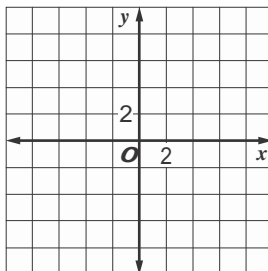
## Graph a Line Using Intercepts

State the  $x$ - and  $y$ -intercepts of each function. Then graph the function.

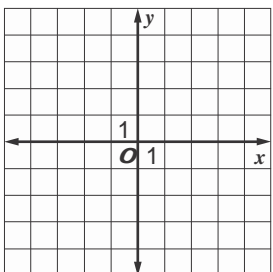
1.  $3x - 5y = 15$



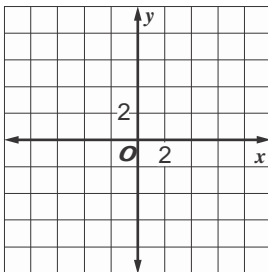
2.  $-\frac{1}{2}x + 3y = -3$



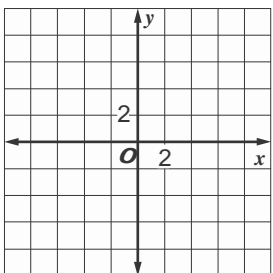
3.  $4x - 6y = 12$



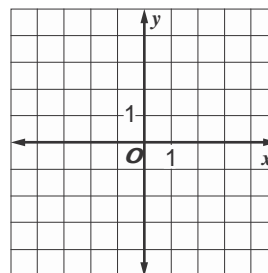
4.  $7x + 3y = -21$



5.  $\frac{2}{3}x - \frac{1}{3}y = 2$



6.  $-x + y = -2$



7. **DRINKS** Ms. Purdy bought coffee and orange juice for her coworkers in her office. She bought  $x$  cups of coffee at \$2 per cup and  $y$  cups of orange juice at \$1.50 per cup. Altogether she spent \$30. This can be represented by the function  $2x + 1.5y = 30$ . Graph the function. Then interpret the  $x$ - and  $y$ -intercepts.

