

Lesson 5 Homework Practice

Graph a Line Using Intercepts

State the x - and y -intercepts of each function.

1. $-6x + 8y = 24$

2. $\frac{3}{4}x - 6y = 18$

3. $-\frac{1}{4}x - \frac{1}{3}y = 12$

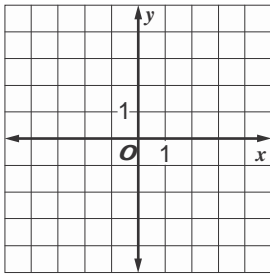
4. $-10x - 10y = -20$

5. $x + y = 1$

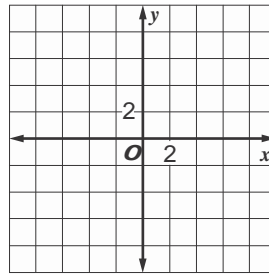
6. $-x - y = \frac{1}{2}$

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

7. $-4x + 2y = -8$

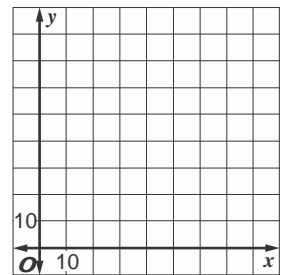


8. $6x - 2y = -18$



9. **FARMING** Mr. Jeans raises cows and chickens on his farm.

Altogether, his cows and chickens have 140 legs. This can be represented by the function $4x + 2y = 140$. Graph the function. Then interpret the x - and y -intercepts.



10. **MONEY** Monty has a total of \$290 in ten dollar and five dollar bills. This can be represented by the function $10x + 5y = 290$. Interpret the x - and y -intercepts.