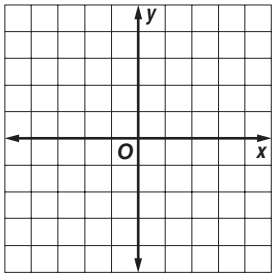
NAME _____ DATE _____ PERIOD _____

3-2 Practice

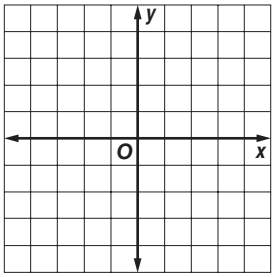
Solving Linear Equations by Graphing

Solve each equation.

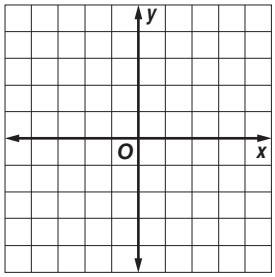
1. $\frac{1}{2}x - 2 = 0$



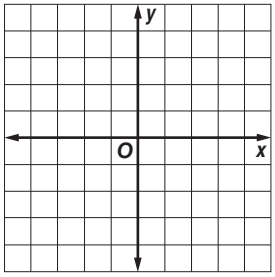
2. $-3x + 2 = -1$



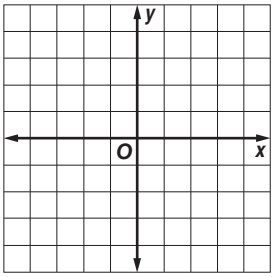
3. $4x - 2 = -2$



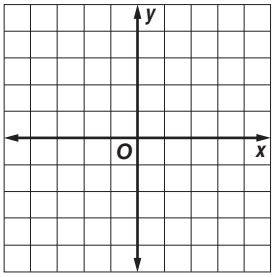
4. $\frac{1}{3}x + 2 = \frac{1}{3}x - 1$



5. $\frac{2}{3}x + 4 = 3$

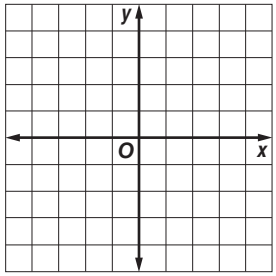


6. $\frac{3}{4}x + 1 = \frac{3}{4}x - 7$

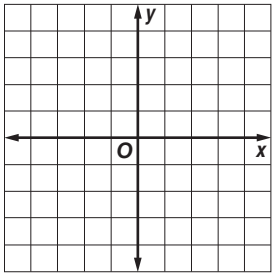


Solve each equation by graphing. Verify your answer algebraically

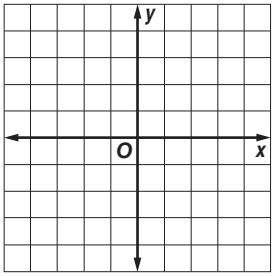
7. $13x + 2 = 11x - 1$



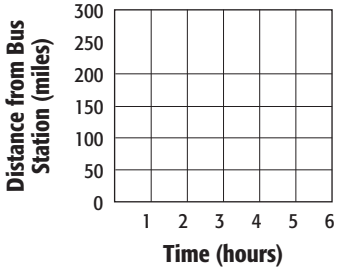
8. $-9x - 3 = -4x - 3$



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



10. DISTANCE A bus is driving at 60 miles per hour toward a bus station that is 250 miles away. The function $d = 250 - 60t$ represents the distance d from the bus station the bus is t hours after it has started driving. Find the zero of this function. Describe what this value means in this context.



Lesson 3-2