

LT#5: Write linear equations using slope-intercept form.

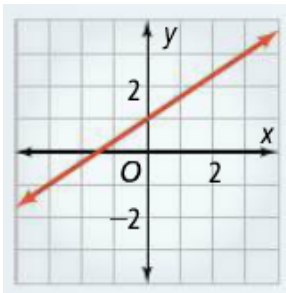
Write an equation in slope-intercept form of the line that passes through the given points.

12. $(-3,4), (1,4)$

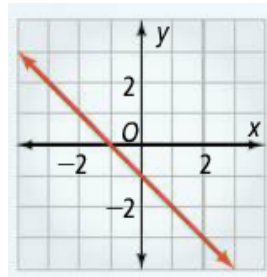
13. $(3, -2), (6,1)$

Write an equation of each line.

14.



15.



LT#6: Graph linear equations in slope-intercept form.

LT#7: Write and graph linear equations using point-slope form.

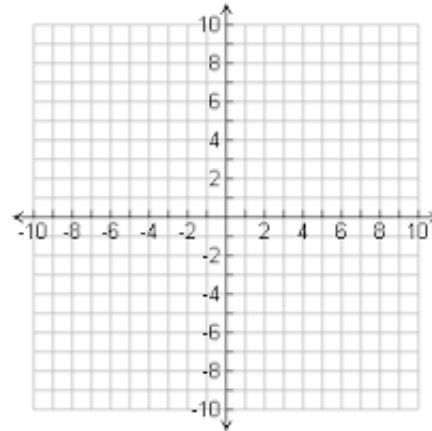
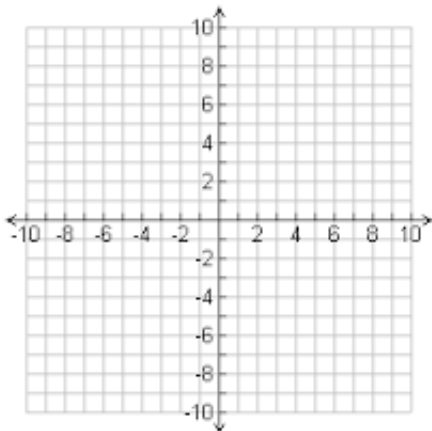
LT#8: Graph linear equations using intercepts.

LT#9: Write linear equations in standard form.

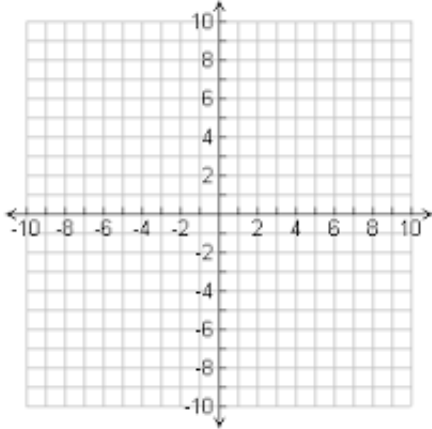
Graph each equation.

16. $y = 4x - 3$

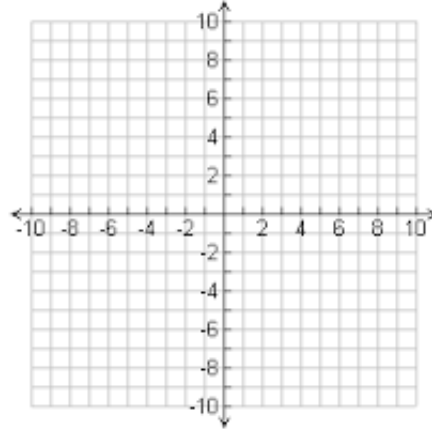
17. $y = 2$



18. $y + 3 = 2(x - 1)$



19. $x + 4y = 10$



LT#10: Determine whether equations of parallel lines and perpendicular lines.

Write an equation of the line that passes through the given point and is parallel to the graph of the given equation.

20. $(2, -1); y = 5x - 2$

21. $(0, -5); y = 9x$

Determine whether the graphs of the two equations are *parallel*, *perpendicular*, or *neither*. Explain.

22. $y = 6x + 2$
 $18x - 3y = 15$

23. $2x - 5y = 0$
 $y + 3 = \frac{5}{2}x$

Write an equation of the line that passes through the given point and is perpendicular to the graph of the given equation.

24. $(3,5); y = -3x + 7$

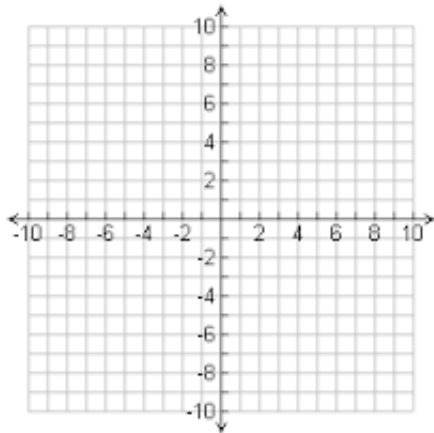
25. $(4,10); y = 8x - 1$

LT#11: Graph an absolute value function.

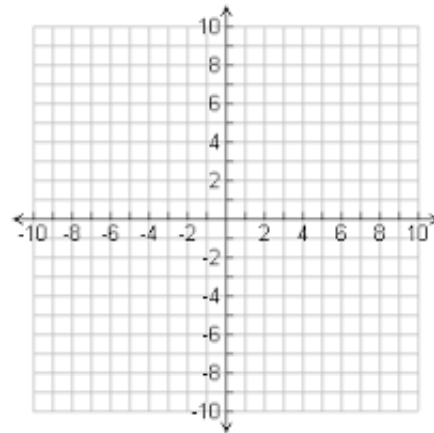
LT#12: Translate the graph of an absolute value function.

Graph each function by translating $y = |x|$.

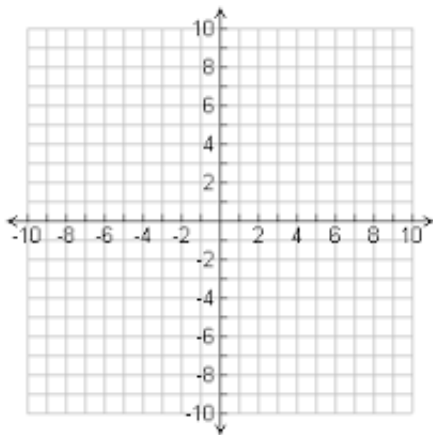
26. $y = |x| + 2$



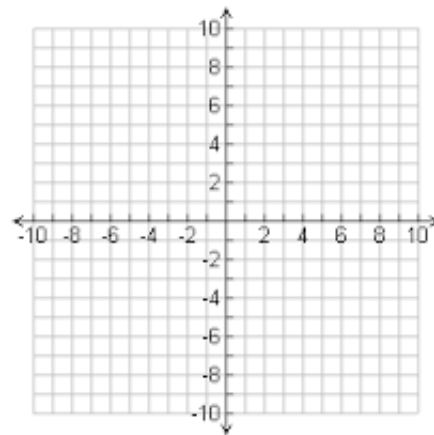
27. $y = |x| - 7$



28. $y = |x + 3|$



29. $y = |x - 5|$



BONUS PROBLEM!

The table below shows the income tax for a single person's monthly income. Graph the step function for this information.

Tax Rates for Single Persons	
If Monthly Income Is . . .	Computed Tax is . . .
\$0–\$504.00	0%
\$504.01–\$869.00	10%
\$869.01–\$3,004.00	15%
\$3,004.01–\$5,642.00	25%
\$5,642.01–\$7,038.00	30%

