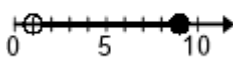
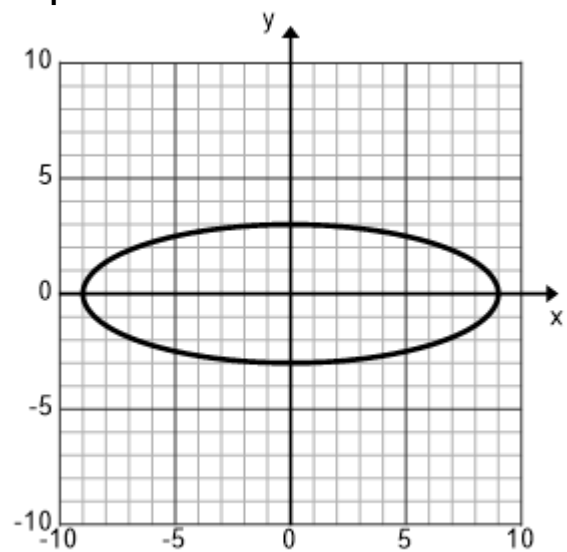


SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
	1 Graph a non-function on the coordinate plane with a domain and range of $[-1, 1]$.	2 Find the value of y in the system below.	3 Find the value of z in the system below.	4 Find the value of $-x$ in the system below.	5 Write the equation of a cubic function translated left 5 and up 5.	6 Find the axis of symmetry of the parabola described by the function $f(x) = \frac{1}{2}x^2 - 6x + 21$.	
		$\begin{cases} 2x + y - 2z = -12 \\ x - 3y + 5z = 5 \\ 2x - 6y - z = -23 \end{cases}$					
7 Simplify $\frac{3\sqrt{42}}{\sqrt{54}}$	8 Find the y -intercept of the line through $(5, 18)$ and parallel to the line through the points $(6, 7)$ and $(-1, -7)$.	9 State the domain of Graph #9 on the back of this page.	10 Let $f(x) = 3x^2 - 24x + 58$. What is $f(4)$?	11 Find the y -intercept of the line through $(3, 12)$ that is perpendicular to the line through the points $(-4, 3)$ and $(6, -27)$.	12 Simplify $\frac{3\sqrt{48}}{\sqrt{3}}$	13 The height h in cm. of some grains is modeled by $h(r) = 0.024r^2 - 1.28r + 30.1$ where r is the distance in cm. between rows of grain. According to the model, what is the grain's min. height?	
14 State the range of Graph #14 on the back of this page.	15 Simplify $x^0(x^2)^3 \cdot \frac{x^7}{x^{-2}}$	16 Simplify $\frac{(x^5y)^2y^{-4}}{y^{-2}x^{-6}}$	17 Find the slope of the line perpendicular to the line through the points $(21, 11)$ and $(4, 12)$.	18 Find the y -intercept of the line parallel to $y = 6x - 9$ through the point $(-3, 0)$.	19 Write in interval notation. 	20 Find the y -coordinate of the vertex of the parabola represented by the function $f(x) = -3x^2 - 12x + 8$	
21 Find the y -intercept of the line perpendicular to $y = -\frac{3}{2}x + 1$ through the point $(-9, 15)$.	22 Graph a function on the coordinate plane with a range of $[-22, 22]$.	23 Simplify $\frac{\sqrt{84}}{\sqrt{7}}$	24 The profit, P , in millions, of a company as a function of the price, x , of their product is $P(x) = -\frac{2}{3}x^2 + 12x - 30$. What is the company's maximum potential profit?	25 Find the y -intercept of the parabola represented by the function $f(x) = -3x^2 - 4x + 25$	26 Simplify $\frac{x^3y^{-1}}{xy^{-7}}$	27 Graph a non-function on the coordinate plane with a domain of $[-27, 27]$	
28 Find the y -intercept of the line parallel to $y = 4x - 8$ through the points $(-3, 16)$ and $(6, 52)$.	29 Jose is selling gift boxes for a school fundraiser. He sold 12 of Type A & 5 of Type B for \$265. He sold 6 of Type A & 10 of Type B for \$350. How much does one Type B box cost?	<h1>ALGEBRA 2</h1> <h1>FEBRUARY 2016</h1>				<ul style="list-style-type: none"> Remember that if the answer you get is different from the date... you need to try the problem again! Do not leave any question blank. If you don't know how to solve it... ask for help! Show all your work! The process is more important than the answer. 	

Graph #9



Graph #14

