

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<h2 style="color: red;">January 2014</h2> <ul style="list-style-type: none"> Remember that if the answer you get is different from the date... you need to do the problem again! Do not leave any question blank. If you don't know how to solve it... ask for help! 			1	2	3	4
			Find the greatest element of the range of the function $f(x) = -x^2 + 1$.	Find the greatest element of the domain of the function of the function $f(x) = \sqrt{-x + 2}$.	Two trains leave a station at the same time. One train travels east at 50 mph. The other travels west at 55 mph. After how many hours will the trains be 315 miles apart?	Simplify $\frac{(x^3)^2}{x^2}$.
5	6	7	8	9	10	11
Simplify $\sqrt{625}$.	Solve for x . $11(-2x + 8) = 7(-5x + 26) - 16$	What is the slope of a line parallel to the line through $(-1, 4)$ and $(0, 11)$?	Solve for x . $\frac{x + 1}{9} = \frac{2x - 9}{7}$	What is the slope of a line perpendicular to the line through $(-9, -9)$ and $(18, -12)$.	Write the equation of a parabola whose vertex is at $(-10, 10)$.	Simplify $\frac{(x^{-3}y^4)^2}{x^5y^{-3}z^0}$.
12	13	14	15	16	17	18
Draw a function with a range of $-12 \leq x < 12$ and write the range in interval notation.	Draw a function with a domain of $-13 < x \leq 13$ and write the domain in interval notation.	An object is launched at 19.6 m/s from a height of 58.8 m. Let $s(t) = -4.9t^2 + 19.6t + 58.8$ describe the object's height, s , at t seconds. How high is it after 5.625 seconds?	Write the equation of a cubic function that has been shifted left 1 and up 5.	Simplify $\frac{8\sqrt{8}}{\sqrt{2}}$.	A number is doubled and then increased by 42. The result is 76. What is the number?	Find the y -intercept of the line through $(1, 21)$ and parallel to the line through the points $(5, 18)$ and $(6, 21)$.
19	20	21	22	23	24	25
Find the y -intercept of the line through $(2, 16)$ and perpendicular to the line through the points $(6, 21)$ and $(-3, 15)$.	If Alice sells 3 phone packages in one hour, she earns \$35. If she sells 8, she makes \$60. How much money does Alice make if she sells zero?	Bob is a waiter. He makes \$9.32 per hour, plus tips, which average \$8.80 per table. One day, Bob worked 10 hours and made \$278. How many tables did Bob serve?	Find the equation of the line through $(4, 26)$ and parallel to $y = x + 9$.	Find the equation of the line through $(2, 19)$ and perpendicular to $y = \frac{1}{2}x - 8$.	Write in interval notation: $2 < x \leq 4$	Simplify $\frac{4\sqrt{15}}{\sqrt{12}}$.
26	27	28	29	30	31	
Simplify $\frac{(x^{-1}y^3)^{-4}}{x^2y^{-18}}$	Let $f(x) = 5x^3 - 3x^2 + 18x - 10.5$. Find $f(1.5)$.	A rectangle has side lengths 9 and $\sqrt{703}$. What is the distance from the bottom-left corner to the top-right corner of the rectangle?	A car wash charges \$58 for one hour and \$87 for two hours. Write an equation representing the cost, y , of washing a car for x hours.	Let $f(x) = 6x - 18$ and $g(x) = 4x^2 + 5x - 1$. Find $-2f(5) + 2g(2) + 4$.	Find the y -intercept of the line through $(5, 35)$ and parallel to the line through the points $(4, 29)$ and $(9, 33)$.	<p>You have to believe in yourself.</p>