

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
JANUARY 2016 ALGEBRA 1				1	2	3
<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. 				Find the slope of the line through the points (3, 4) and (4, 5).	Solve for x . $4x + 7 = 15$	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?
4	5	6	7	8	9	10
Find the y-intercept of the line through the point $(-1, \frac{10}{3})$ with slope $\frac{2}{3}$.	Find $f(2)$ if $f(x) = 2x^2 + 5x - 13$.	Simplify $\frac{(x^2)^4}{x^2}$	Simplify $(\frac{x^{-1} \cdot x^{11}}{x^5})^2 \cdot x^{-3}$	Solve for x . $3(x - 10) < -2(-3x + 20) - 14$	Find the slope of the line through the points $(-1, 1)$ and $(1, 19)$.	Find the y-intercept of the line through $(-1, 1)$ and $(1, 19)$.
11	12	13	14	15	16	17
Find the y-intercept of the line through the points (4.5, 8) and (12, 3).	Alice drove 162 miles and found that she had used 13.5 gallons of gas. How many miles per gallon does Alice's car get?	Find $f(2)$ if $f(x) = 3x^3 - 2(x + 1)^2 + 3x + 1$	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?	Solve and graph. $196 + 40x \leq 13(x + 7) + 34x$	Solve and graph. $-20x + 42 \leq -20x + 14(x - 13)$	A number is doubled and then increased by 42. The result is 76. What is the number?
18	19	20	21	22	23	24
Evaluate $\frac{342}{5} \div \frac{19}{5}$	Write the equation of the line through the points $(-1.5, -9.5)$ with a slope of 19.	Find the slope of the line through the points $(-0.65, -12)$ and $(1.45, 30)$.	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 y-intercept of the line through (4, 26) and parallel to $y = x + 9$.	The temperature in Fahrenheit is related to the temperature in Celsius by the function $F(C) = 1.8C + 32$. If it is -5°C what is the temperature in Fahrenheit?	Find the y-intercept of the line through the points $(-4, 21)$ and $(-16, 12)$.
25	26	27	28	29	30	31
Give two points such that the slope of the line through those points is 25.	Write the equation of a line with a y-intercept of 26.	Carly received 90 votes for ASB president, which was 36 more than twice the amount Danny received. How many votes did Danny get?	Simplify $x^{16}y^8 \cdot (x^3y^5z^0)^4$	A company charges \$58 for one hour & \$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 $-2f(5) + 2g(2) + 4$.	Elizabeth runs her own lawn care business. She charges \$31 to mow a lawn plus \$31 per hour of work. Write an equation describing her fee.