

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
1 Write the equation of the line through the point $(-4, -3)$ and $(4, 5)$.	2 Solve for x . $6x + 68 = -5(2x - 20)$	3 What is the y -intercept of the line described by the equation $y = 2x + 3$?	4 John's wages for 6 hours are \$56.82. How many hours does he work to earn \$37.88?	5 Write the equation of the line through the points $(10, 0)$ and $(-2, 6)$. What is the y -intercept?	6 A parking garage charges \$5 for the first hour and \$1.50 for each additional 30 minutes. How many hours can you park there for \$23?	7 Write the equation of the line through the points $(-2.5, 2)$ and $(2, 11)$. What is the y -intercept?	
8 Charlie paid \$3.20 in postage. If he used five 32-cent stamps and paid the rest with 20-cent stamps, how many 20-cent stamps did he use?	9 Simplify $\frac{3}{8} \div \frac{3}{72}$	10 Raul had \$163 to spend on 15 books. After he bought the books, he had \$13 left over. How much did each book cost?	11 Solve for x . $7(x + 5) = 4(3x - 5)$	12 Find the slope of the line through the points $(2, 0.5)$ and $(2.5, 6.5)$.	13 It costs \$13 to rent a bouncy house, plus \$5 per hour. Write an equation representing this situation, and identify the y -intercept.	14 Write the equation of the line through the points $(-1, 2)$ and $(0, 16)$. What is the slope?	
15 Simplify. $-5(6 - 4)^2 + 35$	16 Jeff charges \$100 to paint a house, plus \$16 per hour. Write an equation representing this situation, and identify the slope.	17 Solve for x . $3(x - 2) = 2x + 11$	18 Let $f(x) = 3x^2 + 3x$ Find $f(2)$.	19 Let $f(x) = 4x^2 + 5x - 2$ Find $f(-3)$.	20 Evaluate $\frac{8x}{x - 3}$ when $x = 5$.	21 Make a mapping diagram of a function where 21 is an element of the domain.	
22 Draw the graph of a function where 22 is the largest number in the range.	23 Use the formula $C = \frac{5}{9}(F - 32)$ to find the temperature in Celsius if it is 73.4°F.	24 Susie drove 336 miles and used 14 gallons of gas. How many miles per gallon does her car get?	25 The sum of three consecutive numbers is 78. What is the smallest of the three numbers?	26 John ran a five-mile race in two hours and ten minutes. How many minutes would it take him to run one mile?	27 Jenny has 135 dimes, 35 quarters, and 95 nickels. How many dollars does she have?	28 Write a problem situation, and the equation representing it, where the slope is 28.	
29 Solve for x . $2(-2x + 7) = -3(x + 5)$	30 Write a problem situation, and the equation representing it, where the y -intercept is 30.	ALGEBRA 1				<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. 	
NOVEMBER 2015							