

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<h1>APRIL 2016</h1> <h2>ALGEBRA 1</h2>					1	2
					Determine the value of $f(2)$ given the function $f(x) = 2 - \frac{1}{2}x$.	What is the y -intercept of the line through the points $(-3, 3)$ and $(12, -2)$?
3	4	5	6	7	8	9
If $3x - 13 = 8$, what is the value of $x - 4$?	State the range of the graph in Figure #4 on the back.	Solve for x . $24 = 8(x - 5) - (1 - 5x)$	State the domain of the graph in Figure #4 on the back. Is it a function?	A geometric sequence starts with 14 and has common ratio 0.4. Tia finds that 0.057344 is also a number in the sequence. Which term did Tia find?	Solve for x . $-148 = -1 - 3(6x + 1)$	Let $f(x) = \frac{2}{3}x + 18$. For what value of x does $f(x) = 24$?
10	11	12	13	14	15	16
Use Chart #10 on the back to find the interquartile range of the data. Also make a box-and-whisker plot.	The two triangles in Figure #11 have the same perimeter. What is the value of x ?	An ice rink charges \$5 per hour for admission & \$2 for skate rentals. Write an equation for the total cost of skating for n hours. Use it to find the cost of skating 2 hours & renting skates.	Kolby saves \$25 per month. He already has \$100 saved. Write and solve an equation to determine how many months it will take him to save \$425.	What is the slope of the line through the points $(1, 4)$ and $(-2, -38)$?	At Vera's Go-Karting, it costs \$7 to rent supplies and \$2 per lap driven. Write an equation for the cost to race n laps. Use it to find the cost of racing 4 laps.	A geometric sequence is defined by the equations $a_n = 2 \cdot a_{n-1}$; $a_1 = 1$. What is a_5 ?
17	18	19	20	21	22	23
Write the equation of the line through the points $(1, -80)$ and $(-15, -160)$. What is the x -intercept of the line?	Find the value of y such that the slope of the line between the points $(1, -17)$ and $(-6, y)$ is -5 .	Solve and graph the inequality below. $4 - x + 6^2 \geq 21$	What is the x -intercept of the line described by the equation $y = -\frac{9}{10}x + 18$?	Erin's paint company charges \$200 for prep work & \$15 per hour to paint a house. Karim charges \$53 for prep & \$22 per hour. After how many hours are the two equal in price?	The first four terms of an arithmetic sequence are 121, 110, 99, 88, Find the tenth term.	What is the greatest element of the range of Figure #23 on the back. Is it a function?
24	25	26	27	28	29	30
The first four terms of a geometric sequence are 2, -8 , 32, -128 , Write the explicit equation for the sequence.	Write the equation of the line through the points $(6, 49)$ and $(3, 37)$. What is the y -intercept of the line?	Determine the value of $h(-2)$ if $h(x) = -x^3 + 2x^2 - x + 8$	A red kite is 100 ft in the air & rising 8 ft/s. A blue kite is 181 ft high & rising 5 ft/s. How long will it take for the red kite to be higher than blue?	Find a_{29} if $a_n = 2(n - 1) - 28$	The sum of two consecutive whole numbers is 59. Write and solve an equation to find the smaller number.	Find the value of x in the solution to the system below. $\begin{cases} x + 2y = 116 \\ -43x + 34y = 172 \end{cases}$

Figure #4

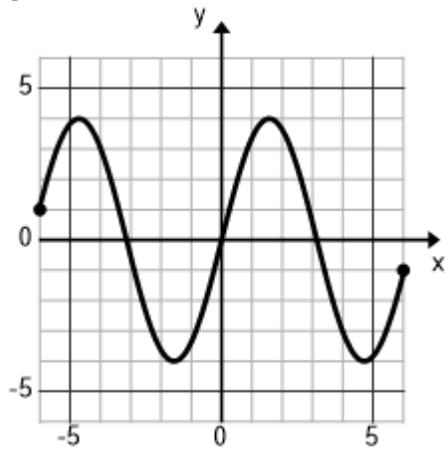


Figure #11

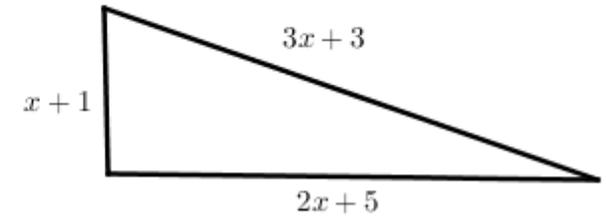
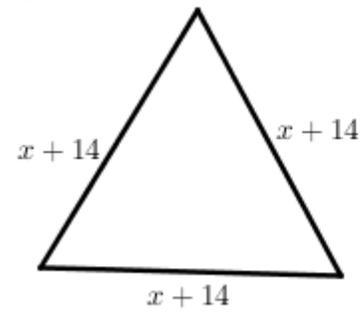


Figure #23

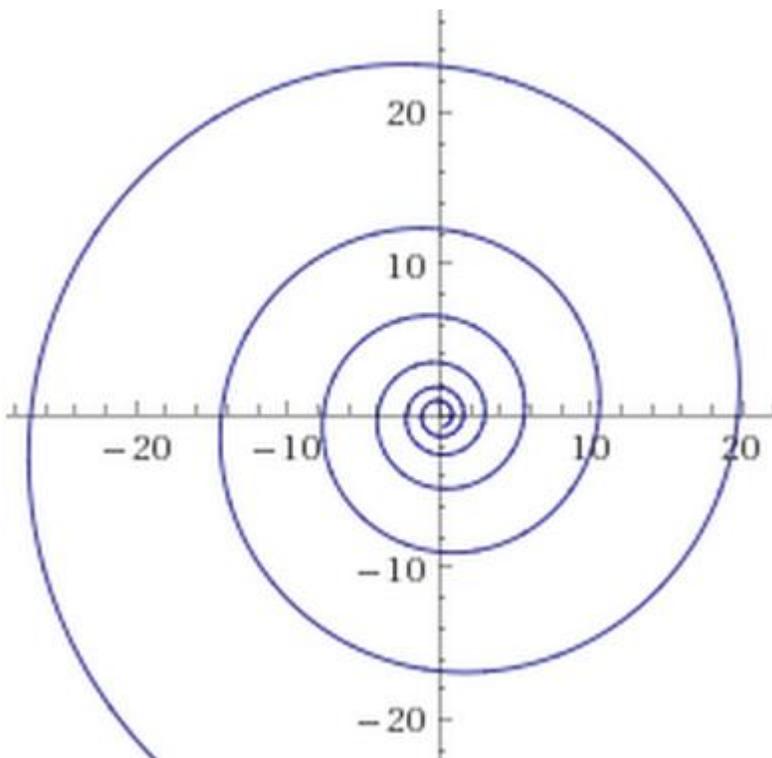


Chart #10

Ages			
47	56	69	51
54	52	54	47
68	43	48	51
54	61	61	58