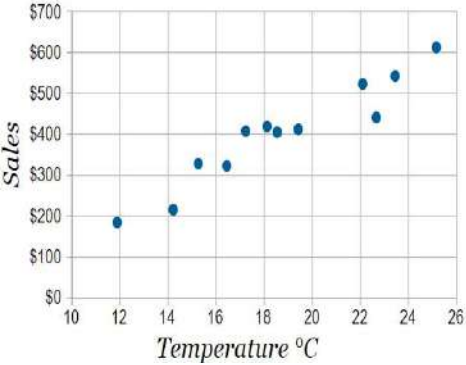
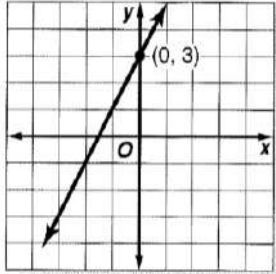
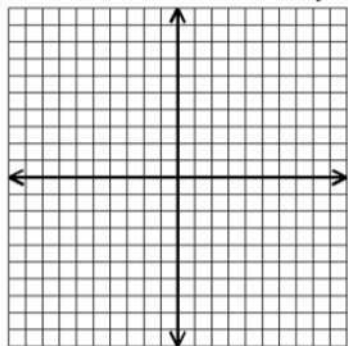


Complete the problems outlined for each day. Begin with Thursday and work through the week. Download the pdf onto **Kami**. Upload a screenshot of your work.

Monday	Tuesday	Wednesday	Thursday	Friday
<p>Rewrite the following equation in slope-intercept form.</p> $y - 3 = \frac{1}{2}(x + 4)$	<p>A line with a slope of <math>\frac{1}{5}</math> passes through the point <math>(-7, 8)</math>. What is the equation in point-slope form?</p> $y - \boxed{\phantom{00}} = \boxed{\phantom{00}}(x - \boxed{\phantom{00}})$	<p>How many terms are in the expression:</p> $5n^6 - n^4 - 3n^2 - 2n + 4$ <p>A. 3 B. 4 C. 5 D. 7</p>	<p>Suppose that a new house is worth \$250,000 and that it depreciates at a rate of 16% a year.</p> $y = A(1 - r)^t$ <p>Part I. Write a function to model this situation.</p> <p>Part II. Estimate the value of the house after 5 years.</p>	<p>Which ordered pair is a solution to the equation <math>y = 3x + 6</math></p> <p>A. <math>(3, 1)</math> B. <math>(-3, 3)</math> C. <math>(0, 6)</math> D. <math>(6, 0)</math></p>
<p>Evaluate the following expressions given:</p> $g(x) = -3x + 1$ <p>a. <math>g(10) =</math></p> <p>b. <math>g(3 + r) =</math></p>	<p>Look at this set of ordered pairs:</p> <p><math>(6, 17)</math> <math>(5, 19)</math> <math>(6, 6)</math> <math>(15, 14)</math></p> <p>Is this relation a function?</p>	<p>Write an equation for the trend line of the scatterplot below.</p> <p><i>Ice Cream Sales vs Temperature</i></p>  <p>The scatterplot shows temperature in degrees Celsius on the x-axis (ranging from 10 to 26) and sales in dollars on the y-axis (ranging from \$0 to \$700). There are 15 data points showing a clear upward trend. A trend line is to be written.</p>	<p>Write the equation that represents the function graphed.</p>  <p>The graph shows a line on a coordinate plane with x and y axes. The line passes through the origin (0, 0) and the point (0, 3). The equation of the line is to be determined.</p>	<p>Determine whether the sequence <math>-21, -17, -12, -6, 1, \dots</math> is an arithmetic sequence. If it is, state the common difference.</p>

Monday	Tuesday	Wednesday	Thursday	Friday										
<p>Which is an equation of a line in point-slope form that has a slope of 9 and passes through <math>(-3, 6)</math>?</p> <p>A. <math>y - 6 = 9(x + 3)</math> B. <math>y - 6 = 9(x - 3)</math> C. <math>y + 3 = 9(x - 6)</math> D. <math>y - 6 = -3(x - 9)</math></p>	<p>Sage earns \$6 per hour doing chores. Make a table and write an equation to show the relationship between the number of hours worked <math>h</math> and the wages earned <math>w</math>.</p> <p><b>Table:</b></p> <table><tr><th>Hours</th><th>Wages</th></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table> <p><b>Equation:</b></p>	Hours	Wages									<p>What is the recursive formula for the sequence 2, 24, 46, 68, 90...?</p> <p>A. <math>a_1 = 2; a_n = a_{n-1} + 22</math> B. <math>a_1 = 2; a_n = a_{n-1} - 22</math> C. <math>a_1 = 2; a_n = a_{n+1} + 22</math> D. <math>a_1 = 2; a_n = a_{n+1} - 22</math></p>	<p>Solve the formula for <math>T</math>.</p> <p><math>pV = nRT</math></p>	<p>What is the solution of the following system of equations?</p> <p><math>\begin{cases} 5y - 3x = 14 \\ y + 3x = 10 \end{cases}</math></p> <p>A. <math>(2, 4)</math> B. <math>(4, 2)</math> C. <math>(-2, -4)</math> D. <math>(2, -4)</math></p>
Hours	Wages													
<p>Graph <math>4x + 2y &gt; 8</math></p> 	<p>What is the simplified form of <math>6^{-2}x^3y^{-5}</math>?</p> <p>A. <math>-12x^35y</math> B. <math>-36x^3y</math> C. <math>\frac{x^3}{36y^5}</math> D. <math>\frac{x^3}{12y^5}</math></p>	<p>Simplify the expression.</p> <p><math>(4g^{\frac{1}{3}} \cdot 2h^{\frac{3}{5}}) \cdot (3g^{\frac{2}{3}} \cdot h^{\frac{1}{5}})</math></p>	<p>Which expression is equivalent to <math>(x - 3)^2</math>?</p> <p>A. <math>2x - 6</math> B. <math>x^2 + 9</math> C. <math>x^2 - 6x + 9</math> D. <math>x^2 - 9x - 6</math></p>	<p>The length of a rectangular sandbox is <math>4x + 1</math> and the width is <math>x - 2</math>. What polynomial in standard form represents the area of the sandbox?</p>										

Complete the problems outlined for each day. Download the pdf onto <https://web.kamihq.com/> and share your completed work with your teacher.