

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
JANUARY 2016 GEOMETRY				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. 				<p>The coordinates of A are $(-3, 2)$ and the coordinates of B are $(5, 0)$. Find the coordinates of the midpoint of \overline{AB}.</p>	<p>Find the distance between the points $(6.48, 4.46)$ and $(4.76, 5.48)$.</p>	<p>D is in the interior of $\angle ABC$. Solve for x, given that $m\angle ABD = 3x - 10$, $m\angle DBC = 40$, and $m\angle ABC = x + 36$.</p>
4	5	6	7	8	9	10
<p>L is the midpoint of \overline{RA}. If $RL = 5x + 10$ and $RA = 60$, find the value of x.</p>	<p>Find the equation of the line through the points $(-2, -5)$ and $(1, 10)$.</p>	<p>$\triangle ABC$ is a right triangle with hypotenuse of length 8 and one leg of length $2\sqrt{7}$. Find the length of the other leg.</p>	<p>What is the slope of a line parallel to the line through $(-1, 4)$ and $(0, 11)$?</p>	<p>What is the slope of a line perpendicular to the line through $(16, -1)$ and $(24, -2)$?</p>	<p>Use the figure on the back. If $m\angle 2 = 8x - 10$ and $m\angle 5 = 4x + 26$, find the value of x.</p>	<p>Find the y-intercept of the perpendicular bisector of \overline{AB} where A is at $(3, 6)$ and B is at $(5, 10)$.</p>
11	12	13	14	15	16	17
<p>\overline{RP} is the angle bisector of $\angle TRM$. $m\angle TRM = 68$ and $m\angle PRM = 3x + 1$. Find the value of x.</p>	<p>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?</p>	<p>Use the figure on the back. If $m\angle 2 = 3(x - 10) - 50$ and $m\angle 4 = -5(2x - 6) + 59$, solve for x.</p>	<p>J is between A and W on \overline{AW}. Solve for x if $AJ = 29$, $JW = -2x - 10$, and $AW = -x + 5$.</p>	<p>Find the y-intercept of the line through $(-6, 13)$ parallel to the line through the points $(6, 4)$ and $(9, 5)$.</p>	<p>Find the y-intercept of the perpendicular bisector of \overline{AB} given that A has coordinates $(4, 9)$ and B is at $(8, 17)$.</p>	<p>A number is doubled and then increased by 42. The result is 76. What is the number?</p>
18	19	20	21	22	23	24
<p>Evaluate $\frac{342}{5} \div \frac{19}{5}$</p>	<p>Use the figure on the back. If $m\angle 4 = 3x + 13$ and $m\angle 6 = 6x - 4$, solve for x.</p>	<p>Find the distance between the points $(4.41, 6.75)$ and $(-6.13, -10.24)$.</p>	<p>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?</p>	<p>Find the equation of the line through $(4, 26)$ and parallel to $y = x + 9$.</p>	<p>Find the equation of the line through $(2, 19)$ and perpendicular to $y = \frac{1}{2}x - 8$.</p>	<p>Find the midpoint of \overline{LM} if L has coordinates $(1, 1)$ and M has coordinates $(3, 7)$.</p>
25	26	27	28	29	30	31
<p>Give two points such that the slope of the line through those points is 25.</p>	<p>H is in the interior of $\angle MAT$. $m\angle HAM = 22$, $m\angle MAT = 5x + 3$, & $m\angle HAT = 3x - 1$. Find $m\angle HAT$ in degrees.</p>	<p>Carly received 90 votes for ASB president, which was 36 more than twice the amount Danny received. How many votes did Danny get?</p>	<p>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?</p>	<p>A company charges \$58 for one hour & \$87 for two hours. Write an equation representing the cost, y, of renting a car for x hours.</p>	<p>Use the figure on the back. If $m\angle 1 = 4x + 6$ and $m\angle 8 = 8x - 18$ find $m\angle 1$ in degrees.</p>	<p>Find the y-intercept of the line through $(5, 35)$ and parallel to the line through the points $(4, 29)$ and $(9, 33)$.</p>

