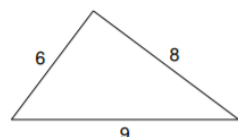
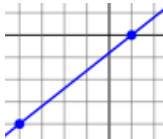

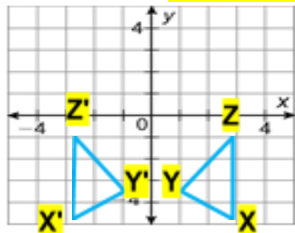
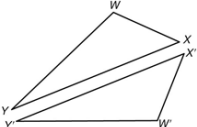
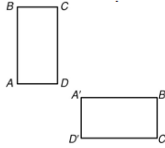


Answer Key - Weekly Spiral Review - 2

Monday	Tuesday	Wednesday	Thursday										
Solve the equation for x: $3(x + 5) = x + 21$ $x = 3$ $3(x - 5) = x + 21$ $x = 18$	Solve the inequality and check your answer: $5(n + 10) - 6n < n + 66$ $-8 < n$ $-8x + 2x - 16 < -5x + 7x$ $x > -2$	Simplify the expression. Rewrite with positive exponents. $(3x^4y^2)^6$ $729x^{24}y^{12}$	Solve: $\frac{z}{4} + 5 \geq 5.5$ $z \geq 2$ $-22 < m - 57$ $m > 35$										
Simplify the expression. Rewrite with only positive exponents. $(\frac{3m^2n^7}{m})$ $243m^5n^{35}$	The hypotenuse of a right triangle is 33 cm long and one of its legs is 28 cm. Find the length of the other leg, round to the nearest tenth. 17.5 cm	Determine if the figure below represents a right triangle. NO $100 \neq 81$ 	Write the expressions in radical form. $7^{\frac{4}{3}}$ $(\sqrt[3]{7})^4$ $2^{\frac{1}{6}}$ $\sqrt[6]{2}$										
What is the slope between the points (5,-7) and (-7,1)? $m = -\frac{2}{3}$	What is the slope indicated in the table below? <table><tr><td>X</td><td>8</td><td>6</td><td>4</td><td>2</td></tr><tr><td>Y</td><td>2</td><td>4</td><td>6</td><td>8</td></tr></table> $m = -1$	X	8	6	4	2	Y	2	4	6	8	What is the slope below? $m = 4/5$ 	Find the missing value so that the two points have a slope of $\frac{2}{7}$. (-1, -1) and (x, 1) $x = 6$
X	8	6	4	2									
Y	2	4	6	8									
Solve the proportional equation below: $\frac{2}{5} = \frac{8}{a}$ $a = 20$	Solve the proportional equation below: $\frac{3}{r} = \frac{5}{r+3}$ $x = \frac{9}{2}$	Solve the proportional equation below: $\frac{9}{r} = \frac{3}{10}$ $r = 30$	Solve the proportional equation below: $\frac{10}{2} = \frac{a}{a-9}$ $a = \frac{45}{4}$										
Rewrite the expression in exponential form. $\sqrt[3]{2}$ $2^{\frac{1}{3}}$ $(\sqrt[4]{5})^5$ $5^{\frac{5}{4}}$	Name three points on the line shown: Answers may vary (1, 2) (-2, -2) (0, 2/3) 	Solve the algebraic proportion below: $\frac{5}{r-9} = \frac{8}{r+5}$ $r = 32.3$	Determine if the following ratios form a proportion. $\frac{24}{30} = \frac{60}{75}$ yes this is a proportion, cross products are equal										
Solve the proportion writing equations with cross products. $\frac{p-2}{2} = \frac{p+2}{3}$ $p=10$	X(3, -3), Y(1, -2), and Z(3, 0) is transformed to the image at X'(-3, -3), Y'(-1, -2), and Z'(-3, 0). Draw the preimage and the image. Then identify the transformation. Reflection 	Name the transformation: Reflection 	Name the transformation: Rotation 										
Write the equation of a line that passes through (2, 4) and (1, -2). $y = 6x - 8$		Write the equation of a line that passes through (6, 3) and has a slope of 2. $y = 2x - 9$	Find the GCF of $35n^2m$ and $21m^2n$ GCF: 7nm										
Determine the degree of each polynomial: $3x^4 + 2xyz + 5x^2 - 4$ Degree 4 $-6s^2tu^3 + st + tu^2 + st^3u + t^3$ Degree 6		9 is 45% of what number? 20 91 is 70% of what number? 130	Is this a right triangle? Side lengths: 8 cm, 10 cm and 16 cm. How do you know? No this is not a right triangle 164≠256										