

Monday	Tuesday/Wednesday	Thursday/Friday
11/5 <b>Ch. 5 Test</b> No homework ☺	11/6-7 Transformations – Translations & Solving Quadratic Equations #1: p. 178: 3,4, 6, 7, 11, 12, 13, 14, 17, 19, 20, 22-25, 31 <b>AND</b> Required problems below	11/8-9 Transformations – Reflections and Symmetry #2: p.186:1-9,11, 13,14, 17, 21-25 <b>AND</b> Required problems below
11/12 <b>No School</b>	11/13-14 Transformations-Rotations #3: p. 194: 3, 4,7,8,9 <b>AND</b> required problems below.	11/15-16 Transformations – Dilations Tessellation Drawing #4: p. 212: 3-7, 10, 25-29,38,39
11/19 <b>No school</b>	<b>No school</b>	<b>No school</b>
11/26 More Transformation Practice #5: Handout	11/27-28 <b>Quiz</b> Midsegment of a Triangle #6: p. 333: 7-19 all, p. 318: 56,58	11/29-30 Inequalities in One Triangle #7: p. 340: 9-24, 29, 30, 33, 35 p. 318: 57, 59
12/3 Constructions	12/4-5	12/6-7
12/10	12/11-12	12/13-14
12/17	12/18	12/19
		12/20
		12/21

Assignment #1: Required Problems:

Solve the quadratic equations by factoring (if necessary) and then using the Zero Product Property.

A) $(x+5)(x-7)=0$	B) $(2x+3)(7x-1)=0$	C) $x^2+7x+12=0$
D) $y^2+3y=-2$	E) $3x^2+2x=8$	F) $x(2x+1)=15+2x$

Assignment #2: Required Problems:

A) If the point $P(3,4)$ is translated with vector $\langle -2,5 \rangle$ what are the coordinates of $P'$ .	E) Graph $\triangle ABC$ . Reflect $\triangle ABC$ over the y-axis to get $\triangle A'B'C'$ then reflect $\triangle A'B'C'$ over $x=4$ to get $\triangle A''B''C''$ . Notice that the transformation from $\triangle ABC$ to $\triangle A''B''C''$ is a <b>translation</b> . What is the coordinate rule from $\triangle ABC$ to $\triangle A''B''C''$ ?	F) Graph $\triangle ABC$ . Reflect $\triangle ABC$ over the y-axis to get $\triangle A'B'C'$ then reflect $\triangle A'B'C'$ over the x-axis to get $\triangle A''B''C''$ . Notice that the transformation from $\triangle ABC$ to $\triangle A''B''C''$ is a $180^\circ$ <b>rotation</b> . What is the coordinate rule from $\triangle ABC$ to $\triangle A''B''C''$ ?
B) If the point $P(3,4)$ is reflected over the x-axis, what are the coordinates of $P'$ .		
C) If the point $P(3,4)$ is reflected over the y-axis, what are the coordinates of $P'$ .		
D) If the point $P(3,4)$ is reflected over the $y=x$ , what are the coordinates of $P'$ .		

Assignment #3: Required Problems:

Describe the transformation produced by each coordinate rule. A) $(x,y) \rightarrow (x+2,y-3)$ B) $(x,y) \rightarrow (-x,y)$ C) $(x,y) \rightarrow (x,-y)$ D) $(x,y) \rightarrow (y,x)$ E) $(x,y) \rightarrow (-x,-y)$	F) If $\triangle ABC$ is transformed using translations, reflections, and rotations to get $\triangle A'B'C'$ are the two triangles always congruent? Explain. G) Graph $\triangle ABC$ . Find $\triangle A'B'C'$ with the rule $(x,y) \rightarrow (3x,3y)$ and then graph it. Are these triangles congruent?	Solve the following quadratic equations by factoring. H) $x^2+2x=35$ I) $(x+6)(x+2)=-2x^2+8$ Simplify each expression: J) $\frac{10 \pm \sqrt{36}}{2}$ K) $\frac{8 \pm \sqrt{24}}{4}$
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