

Name: _____ Block: _____

Geometry – Unit 4 Learning Guide – Transformations

*****The dates posted on this learning guide are NO LATER THAN dates, especially the test dates!! If you find yourself behind on the lesson dates, come in for tutoring during lunch or Saturday School so you can get caught up!! *****

Lesson 1: Reflections (G.CO.2, G.CO.4, G.CO.5) – Oct 17

_____ Lesson Video / Notes (10 pts), Section **12-1** in Geometry Text
Pg 636-639: 1-3, 7-17 (odd), 37-45 (odd), 46
Khan Academy: Reflecting Points
_____ Quiz

Lesson 2: Translations (G.CO.2, G.CO.4, G.CO.5) – Oct 21

_____ Lesson Video / Notes (10 pts), Section **12-2** in Geometry Text
Pg 643-646: 1-45(odd)
Khan Academy: Translations of Polygons (Still practice using matrices with book problems 27- 33)
_____ Quiz

Lesson 3: Rotations (G.CO.2, G.CO.4, G.CO.5) – Oct 23

_____ Lesson Video / Notes (10 pts), Section **12-3** in Geometry Text
_____ TI-NSpire transformations: Rotations Investigation (10 pts)
Pg 649-652: 11-19(odd), 28, 29
Khan Academy: Rotations of Polygons
_____ Quiz

Lesson 4: Compositions of Reflections (G.CO.3, G.CO.6) – Oct 25

_____ Lesson Video / Notes (10 pts), Section **12-4** in Geometry Text
_____ Pg 657-660: 1-37 (odd) (MUST DO!!!)
_____ TI-NSpire Investigation – Glide Reflections (10 pts)
Khan Academy: None
Quiz: None – MUST DO BOOK WORK!!!

Lesson 5: Symmetry (G.CO.3) – Oct 28

_____ Lesson Video / Notes (10 pts), Section **12-5** in Geometry Text
Pg 664-666: 1-11 (odd), 25-31 (odd)
Khan Academy: Axis of Symmetry (if you do Khan, do some book work as well).
_____ Quiz

Lesson 6: Dilations (G.SRT.1) – Oct 30

_____ Lesson Video / Notes (10 pts), Section **12-7** in Geometry Text
Pg 676-679: 1-39 (odd), 55-61 (odd) .
Khan Academy: None
_____ Quiz

Lesson 7: Test – Nov 1

_____ Review: Pg 681-683: 1-33, 36-40
_____ Test (100 pts)