

Geometry Day 12-13 (Tuesday A Day/Wednesday B Day)

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| Standards: | <p>G.GCO.2* Represent translations, reflections, rotations, and dilations of objects in the plane by using paper folding, sketches, coordinates, function notation, and dynamic geometry software, and use various representations to help understand the effects of simple transformations and their compositions</p> <p>G.GCO.4* Develop definitions of rotations, reflections, and translations in terms of angles, circles, perpendicular lines, parallel lines, and line segments</p> |
| Learning Targets/ I can statements: | <ul style="list-style-type: none">• I can use the distance formula to find the distance between two points on the coordinate plane |
| Essential Questions: | How to find the distance between two points on the coordinate plane? |
| Resources | https://www.khanacademy.org/math/basic-geo/basic-geometry-pythagorean-theorem/pythagorean-theorem-distance/v/distance-formula |

Geometry Day 12-13 (Tuesday A Day/Wednesday B Day)

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| | PowerPoint (distance formula) Assignment (finding the distance formula between two points) |
| Learning Activities or Experiences | <ol style="list-style-type: none">1. Students watch the video 1 from the Khan Academy and take notes.2. Students Review the PowerPoint attached and do problems.3. Students do the needed tasks on the assignment (attached). Students send the completed work back for grading through Microsoft 365 group |

I will attach the PowerPoint and the assignment students need to complete and send back to teacher. Students receive a class work grade for the assignment completion

Geometry Week 3 Day 14-15 (Thursday A Day/Friday B Day)

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| Standards: | G.GSRT.4* Prove, and apply in mathematical and real-world contexts, theorems involving similarity about triangles |
| Learning Targets/ I can statements: | <ul style="list-style-type: none">I can use the Pythagorean Theorem and its Converse |
| Essential Questions: | How to use the Pythagorean Theorem and its Converse? |
| Resources | https://www.khanacademy.org/math/geometry/hs-geo-trig/hs-geo-pyth-theorem/v/introduction-to-the-pythagorean-theorem PowerPoint (Pythagorean Theorem) Assignment (finding the missing values in a right triangle using the Pythagorean Theorem and its Converse) |
| Learning Activities or Experiences | <ol style="list-style-type: none">Students watch the video 1 from the Khan Academy and take notes.Students Review the PowerPoint attached and do problems.Students do the needed tasks on the assignment (attached). Students send the completed work back for grading through Microsoft 365 group |

I will attach the PowerPoint and the assignment students need to complete and send back to teacher. Students receive a class work grade for the assignment completion

Geometry Week 4 Day 16-17 (Monday A Day/Tuesday B Day)

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| Standards: | G.GGPE.5* Analyze slopes of lines to determine whether lines are parallel, perpendicular, or neither. Write the equation of a line passing through a given point that is parallel or perpendicular to a given line. Solve geometric and real-world problems involving lines and slope |
| Learning Targets/ I can statements: | <ul style="list-style-type: none">I can write an equation of parallel and perpendicular line to the given |
| Essential Questions: | How to differentiate between parallel and perpendicular lines? How to write an equation of the line parallel and perpendicular to the given? |
| Resources | https://www.khanacademy.org/math/basic-geo/basic-geo-lines/parallel-perp/v/parallel-and-perpendicular-lines-intro PowerPoint (Parallel and perpendicular lines review and edit as an assignment) |
| Learning Activities or Experiences | <ol style="list-style-type: none">Students watch the video 1 from the Khan Academy and take notes.Students Review the PowerPoint attached and do problems. Students send the completed work (PowerPoint) back for grading through Microsoft 365 groupStudent complete supplementary ALEKS as a home work |

Geometry Week 4 Day 16-17 (Monday A Day/Tuesday B Day)

I will attach the PowerPoint students need to complete and send back to teacher. Students receive a class work grade for the PowerPoint completion. Students receive homework grade for ALEKS

Geometry Week 4 Day 18-19 (Wednesday A Day/Thursday B Day)

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| Standards: | <p>G.GGPE.5* Analyze slopes of lines to determine whether lines are parallel, perpendicular, or neither.</p> <p>Write the equation of a line passing through a given point that is parallel or perpendicular to a given line. Solve geometric and real-world problems involving lines and slope</p> |
| Learning Targets/ I can statements: | <ul style="list-style-type: none">I can write an equation of parallel and perpendicular line to the given |
| Essential Questions: | How to differentiate between parallel and perpendicular lines? How to write an equation of the line parallel and perpendicular to the given? |
| Resources | <p>https://www.khanacademy.org/math/basic-geo/basic-geo-lines/parallel-perp/v/parallel-and-perpendicular-lines-intro</p> <p>Assignment (Parallel and perpendicular lines in doc)</p> |
| Learning Activities or Experiences | <ol style="list-style-type: none">Students watch the video 1 from the Khan Academy and take notes.Students Review and complete the assignment in word document Students send the completed work (Assignment) back for grading through Microsoft 365 groupStudent complete supplementary ALEKS as a home work – due end of the week |

Geometry Week 4 Day 18-19 (Wednesday A Day/Thursday B Day)

I will attach the Assignment students need to complete and send back to teacher. Students receive a class work grade for the Assignment completion. Students receive homework grade for ALEKS

Geometry Week 4 Day 20-21 (Friday A Day/Monday B Day)

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| Standards: | <p>G.GCO.9* Prove, and apply in mathematical and real-world contexts, theorems about the relationships within and among triangles</p> <p>G.GM.1* Use geometric shapes, their measures, and their properties to describe real-world objects</p> |
| Learning Targets/ I can statements: | <ul style="list-style-type: none">• I can solve special right triangles |
| Essential Questions: | How to find missing values in right triangles using special right triangles (45-45-90 and 30-60-90) |
| Resources | <p>https://www.khanacademy.org/math/geometry/hs-geo-trig/hs-geo-special-right-triangles/v/45-45-90-triangles</p> <p>https://www.khanacademy.org/math/geometry/hs-geo-trig/hs-geo-special-right-triangles/v/intro-to-30-60-90-triangles</p> <p>Power Point (Special Right Triangles) Assignment (Special Right Triangles)</p> |
| Learning Activities or Experiences | <ol style="list-style-type: none">13. Students watch the video 1 from the Khan Academy and take notes.14. Students Review the PowerPoint and complete the assignment in word document Students send the completed work (Assignment) back for grading through Microsoft 365 group |

Geometry Week 4 Day 20-21 (Friday A Day/Monday B Day)

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| | 15. Student complete supplementary ALEKS as a home work – due end of the week |
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I will attach the Assignment students need to complete and send back to teacher. Students receive a class work grade for the Assignment completion. Students receive homework grade for ALEKS