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|  | Monday | Tuesday | Wednesday | Thursday | Friday |
| Standard | 6. NS.C.8 Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Include use of coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate.  Mathematical Practices MP.2, MP.7 | 6. NS.C.8. | 6.NS.C.8  6.G.A.3 Draw polygons in the coordinate plane given coordinates for the vertices; use coordinates to find the length of a side joining points with the same first coordinate or the same second coordinate. Apply these techniques in the context of solving real-world and mathematical problems.  Mathematical Practices MP.2, MP.3, MP.7, MP.8 | 6.NS.C8  6.G.A.3 | 6.NS.C8  6.G.A.3 |
| Objectives | SWBAT  Use absolute value to find the distance between two points that lie on the same horizontal or vertical line on a coordinate plane.  Solve real-world and mathematical problems involving distances on the coordinate plane. | SWBAT  Use absolute value to find the distance between two points that lie on the same horizontal or vertical line on a coordinate plane | SWBAT  Find side lengths of polygons on the coordinate plane.  Find the perimeter of polygons on the coordinate plane. | SWBAT  Find the perimeter of  polygons on the coordinate plane | SBWBT  Find the distance of two points with same x coordinate or same y coordinate on the coordinate plane  Find the perimeter of polygons on the coordinate plane |
| Procedures | **Bell work**: graph points and write ordered pair of coordinate for points on the coordinate plane and review homework  **Opener**: Solve and Discuss it: how to find the distance of two points that lie on the same horizontal or vertical line  1, watch the video of how to find the vertical distance using absolute value, and students will work on their own.  2. Work on a word problem to find the horizontal distance  3. solve a problem using distance  Practice 1-9 | **Bell work**: find the ordered pair of coordinates of points and find the distance between them.  1,Review homework:  2, Generalize the steps of how to find distance with same x coordinate or y coordinate  Step one: write coordinate pair of two points,  Step two: write down absolute value of different coordinate  Step three: decide add or subtract based on the same sign or different sign  Step four: add or subtract absolute value  3. Students work on practice sheet  4. go over the practice sheet with whole class | **Bell work:** Find the distance of two points and review the homdwork  **Opener**: solve and discuss it. How to use coodinate plane to draw the polygon and find its perimeter  1, watch the video of how to find perimeter of a rectangle and work on “ try it “ problem  2. Find the perimeter of an irregular polygon and work on “ try it “ problem  3. apply distance to Geometry  4. work on practice sheet 1-6 | **Bell work**: find length of polygons on the coordinate plane  1, review homework  2, student will work on additional practice sheet  3. go over the worksheet with whole class | **Bell work**: find perimeter of polygons  1, review steps of how to find distance of two points and how to find the perimeters of polygons  2. Quiz: 2.5-2.6 |
| Assessment | Informal assessment is conducted during the class time, Students will be asked to answer questions about the contents and share answers in the class | Mini Quiz: Find the distance of two points with same x coordinate or same y coordinate | Informal assessment will be conducted during the whole section and teacher will check their mastery of finding side length of polygons and finding perimeters of polygons | Mini Quiz: find the perimeter of polygons on coordinate plane | Quiz: 2.5-2.6 |
| Assignment | Page 99.  10-15, 16-18 | Additional practice sheet | Page 105.  7-13 | Additional practice sheet |  |