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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.C86.G.A.3 | 6.NS.C86.G.A.3 |
| Objectives | SWBATUse 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. | SWBATUse 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 | SBWBTFind the distance of two points with same x coordinate or same y coordinate on the coordinate planeFind 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 line1, 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 distance3. 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 coordinateStep 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 signStep four: add or subtract absolute value3. 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 perimeter1, watch the video of how to find perimeter of a rectangle and work on “ try it “ problem2. Find the perimeter of an irregular polygon and work on “ try it “ problem3. apply distance to Geometry4. work on practice sheet 1-6 | **Bell work**: find length of polygons on the coordinate plane1, review homework2, student will work on additional practice sheet3. go over the worksheet with whole class | **Bell work**: find perimeter of polygons1, review steps of how to find distance of two points and how to find the perimeters of polygons2. 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 |  |