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| **Plotting and Reading Coordinates in Four Quadrants of the Cartesian Plane** |
| Identifies coordinates to describe the location of points on a Cartesian plane.“The coordinates of point B are (8, –3).” | Use coordinates to plot and describe the location of points on a Cartesian plane.“The ends of the soccer nets are located at (–4, 7) to (4, 7) and (–4, –7) to (4, –7)” | Describes how to translate one point to another point on a Cartesian plane.“To move point H to point F, translate point H 8 left and 7 down.”point H(–5, 5)(–5 + 8, 5 – 7) 🡪 (3, –2) | Flexibly predicts and describes the location and coordinates of points after a translation using the translation vector.“To move point A to A’:A(–5, 7) 🡪 (–5 + 8, 7 + 2) 🡪 A’(3, 9)B(–3, 3) 🡪 (–3 + 8, 3 + 2) 🡪 B’(5, 5)C(–7, 3) 🡪 (–7 + 8, 3 + 2) 🡪 C’(1, 5)The translation vector is (8, 2) for all points.” |
| **Observations/Documentation** |
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