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| **Determining if a Relation is Linear** |
| Determines from a graph whether a relation is linearThe points on the graph do not lie along a straight line, so the relation is not linear. | Determines whether a relation given as a table of values, set of ordered pairs, or equation is linear by graphing itI graphed the points (–2, 8), (0, 6), (2, 4), and (4, 2). They all lie along a line, so the relation is linear. | Determines whether a relation is linear without graphingThe *x*-values increase by 1 each time. The *y*-values decrease by 3 most of the time, but not in all cases. So, the relation is not linear. | Adjusts or adds to a graph, table of values, or set of ordered pairs to make it represent a linear relationI changed the *y*-value for *x* = 1 from 5 to 6. Then the *y*-values decrease by 3 each time so the relation is linear. |
| **Observations/Documentation** |
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