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| **Transformations on the Cartesian Plane** | | | |
| Identifies and describes transformations on a Cartesian plane    This shows ∆ABC is translated right  5 units and down 2 units to create ∆A'B'C'. | Describes and performs single transformations on a Cartesian plane    This is a reflection in the *y*-axis. | Uses patterns to describe and perform single transformations  on a Cartesian plane    A(4, –2) → A'(–4, –2)  B(6, –7) → B'(–6, –7)  C(2, –7) → C'(–2, –7)  The pattern in the coordinates is  (*x*, *y*) → (–*x*, *y*). | Describes and performs combinations of transformations  on a Cartesian plane    The triangle is rotated 90° counterclockwise around the origin, then translated left 3 units and down 5 units. |

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| **Observations/Documentation** | | | |
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