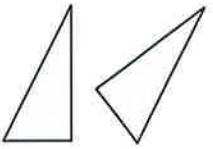
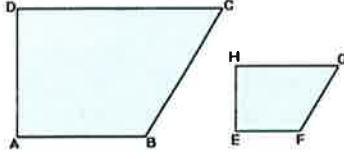
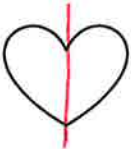
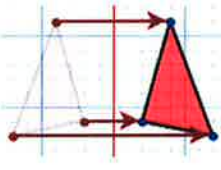
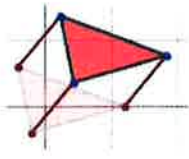
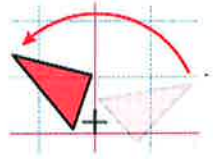
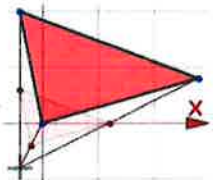


## Transformations Notes

| Term                   | Definition   | Example   |
|------------------------|--|---|
| Congruent              | Figures that are exactly the same size.  |    |
| Similar Figures        | Figures that are the same shape, but not the same size.<br><br>Corresponding angles are congruent.<br><br>Side lengths are proportional. |    |
| Line of Symmetry       | A line of symmetry divides a figure into two congruent halves.   |    |
| <b>TRANSFORMATIONS</b> |  |   |
| Reflection             | A transformation that <b>flips</b> a shape   |  |
| Translation            | A transformation that <b>slides</b> a shape a distance from one location to another.   |  |
| Rotation               | A transformation that <b>turns</b> a figure about a fixed point called the center of rotation.   |  |
| Dilation               | A transformation that <b>resizes</b> a shape.  |  |