Routine Rotations Practice #1

Rotate these images 180° about the dot.

- [Image of a square]
- [Image of a semicircle]
- [Image of a triangle]

Rotate these images 90° clockwise about the dot.

- [Image of a triangle]
- [Image of a square]
- [Image of a cross]

If the transformations below (solid to dotted) can be made by rotation give the full details. Put a × if they cannot be made by a single rotation.

- [Image of a smiley face]
- [Image of a cross]
- [Image of a parallelogram]
Answers: Routine Rotations Practice #1

Rotate these images 180° about the dot.

- Solid diamond
- Solid triangle
- Solid arc

Rotate these images 90° clockwise about the dot.

- Dotted triangle
- Dotted arc

If the transformations below (solid to dotted) can be made by rotation give the full details. Put a × if they cannot be made by a single rotation.

- 90° anticlockwise or 270° clockwise about dot
- × Cannot be made by a single rotation.
- 180° about dot
- × Cannot be made by a single rotation.
- 180° about dot