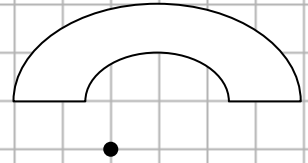
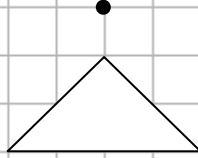
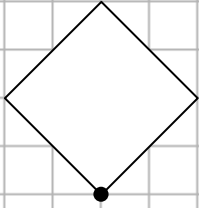
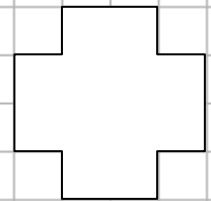
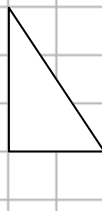
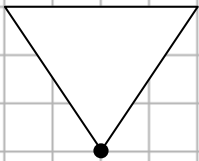


Routine Rotations Practice #1

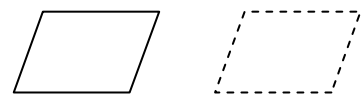
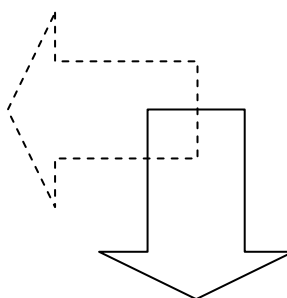
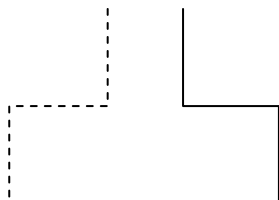
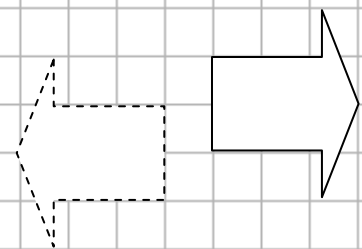
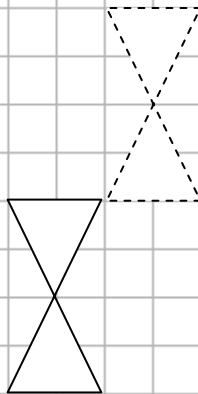
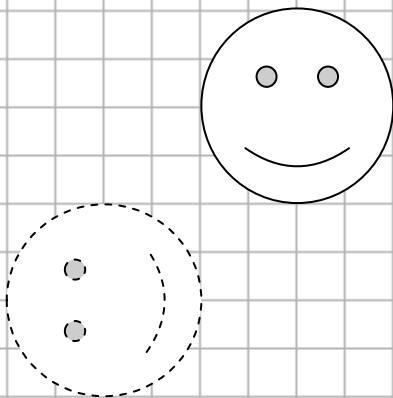
Rotate these images 180° about the dot.



Rotate these images 90° clockwise about the dot.

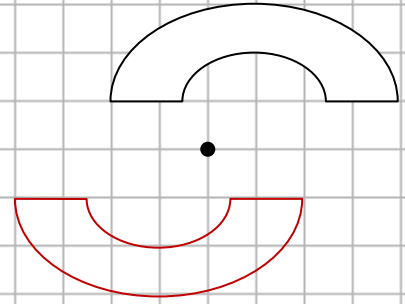
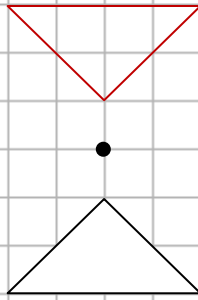
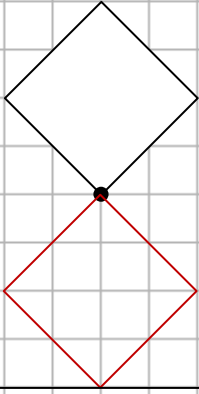


If the transformations below (solid to dotted) can be made by rotation give the **full** details. Put a ✖ if they cannot be made by a single rotation.

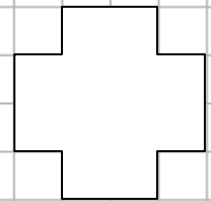
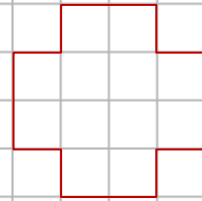
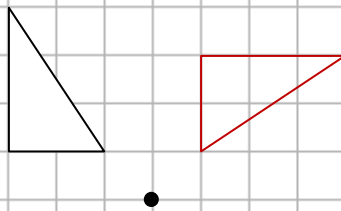
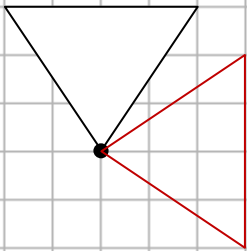


Answers: Routine Rotations Practice #1

Rotate these images 180° about the dot.

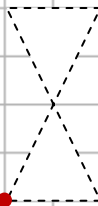
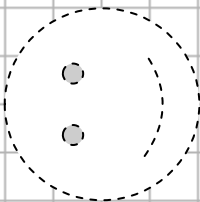
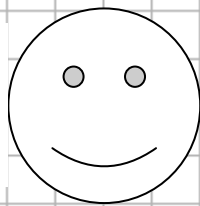


Rotate these images 90° clockwise about the dot.



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.

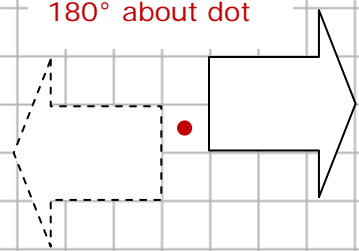
90° anticlockwise
or
270° clockwise
about dot



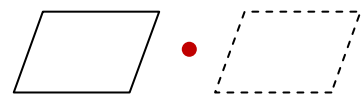
180° about dot



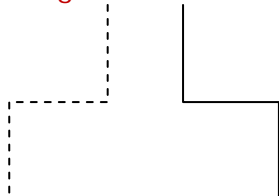
180° about dot



180° about dot



* Cannot be made by
a single rotation.



90° clockwise
about dot

