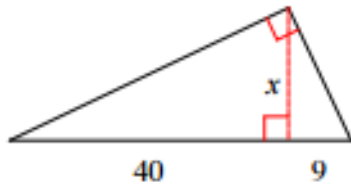


Additional Midterm Practice #1

1. Solve for x :



2. Perform the given transformation for the point $(-3, 4)$.

- Translation $(3,3)$
- Rotation of 180 degrees counterclockwise
- Reflection in the x -axis
- Reflection over the line $y = x$
- Dilation of $k=-2$

3. Define:

- Line symmetry –
- Point symmetry –

Does the letter E have both of the above symmetries?