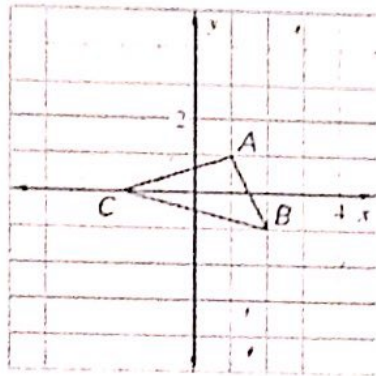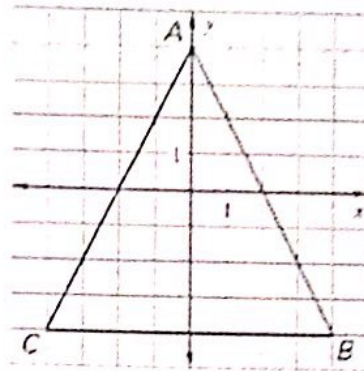Name _____ ID: 1

Date _____ Period _____

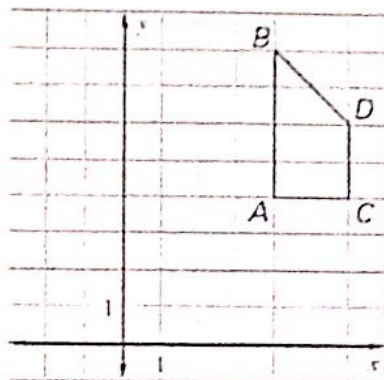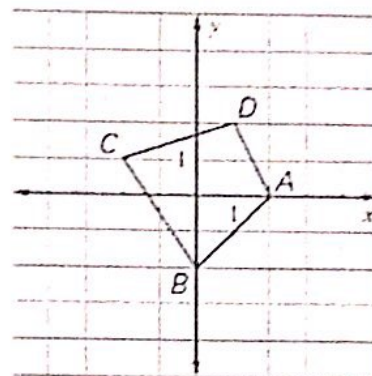**Draw a dilation of the figure using the given scale factor (k).**

1. $k = 2$

2. $k = \frac{1}{4}$

3. $k = \frac{1}{2}$

4. $k = 1\frac{1}{2}$

For problems 5-6:
a) State if the figure has linear symmetry. If yes, draw and state how many lines of symmetry exists.
b) State if the figure has rotational symmetry. If yes, state the smallest degree.

5.

6.