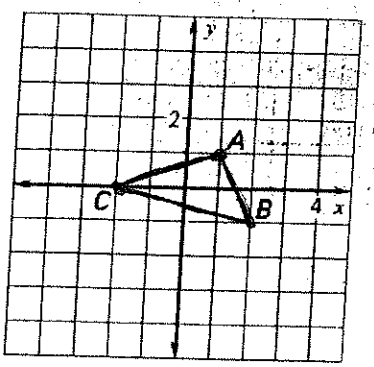
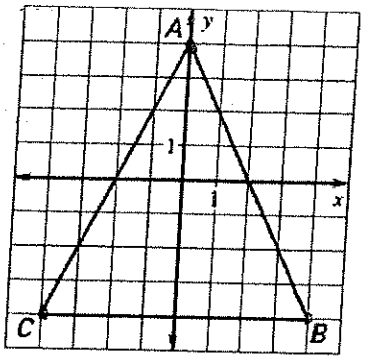
Dilations worksheet Name _____ Block _____

Draw a dilation of the figure using the given scale factor.

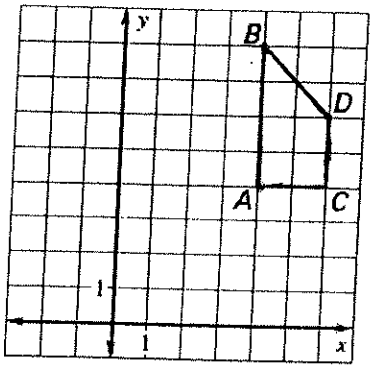
1. $k = 2$



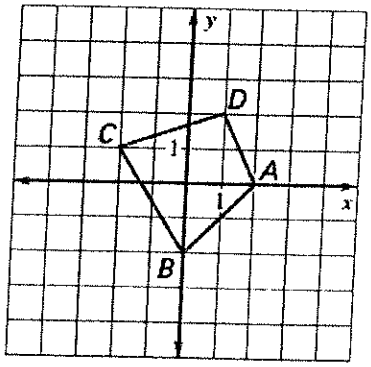
2. $k = \frac{1}{4}$



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



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



5- 8. Write the rule for each of the dilations in 1 – 4.

9. Given: A(0, 3), B(6, 0), C(0, -3); scale factor: 1/3, what are the final coordinates?

10. Given: A(-1, 3), B(1, 1), C(-4, 1); scale factor: 2, what are the final coordinates?

11. Given: A(4, 0), E(2, -4), F(-2, -4); scale factor 1/2, what are the final coordinates?