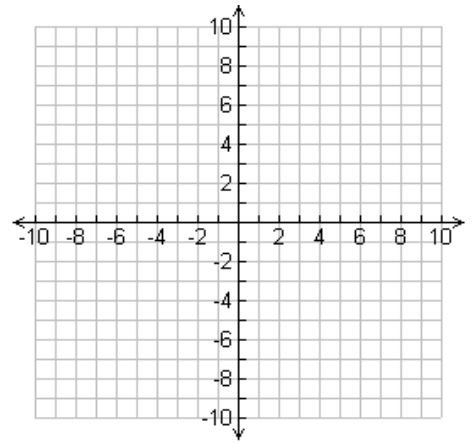
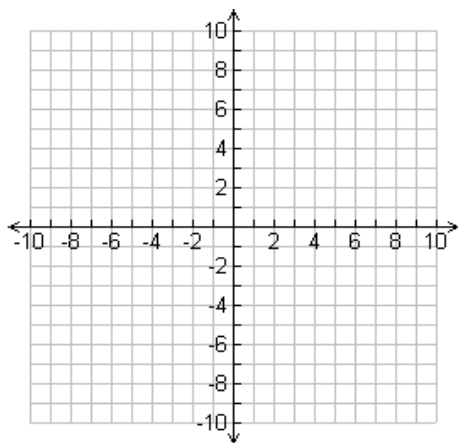
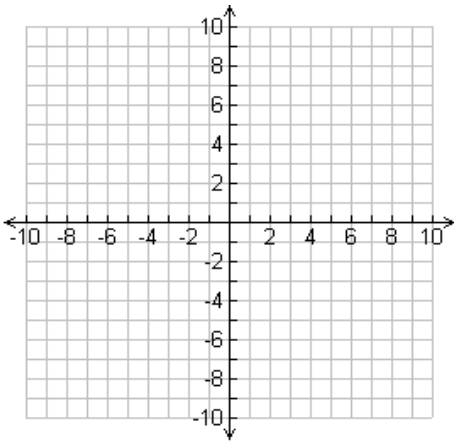


## Notes – Dilations

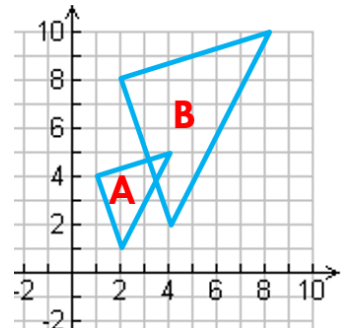
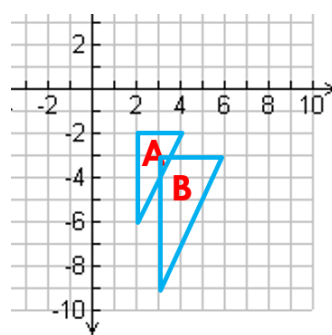
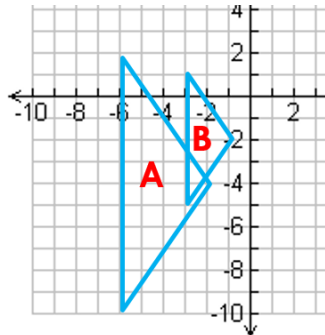
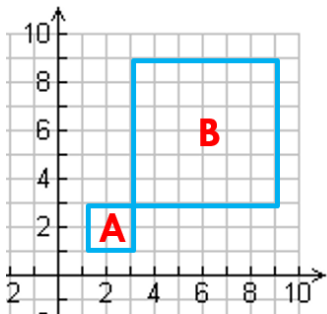


**Dilation:**

**Scale Factor:**

**How do I do a dilation? (centered at the origin):**

What was the Scale Factor? (A is the original, B is the image)



Scale factor = \_\_\_\_\_

H(-2, 3) I(2.5, 3)

k = \_\_\_\_

T(6, 3) R(10, 1) I(9, -4)

k = \_\_\_\_

I have a 5 inch by 7 inch photo of a dog that I want to blow up to fit my frame that is  $8\frac{3}{4}$  inches by  $12\frac{1}{4}$  inches. What was the scale factor?

**A) 1.5**

**B) 1.75**

**C) 1.8**

**D) 2.25**

