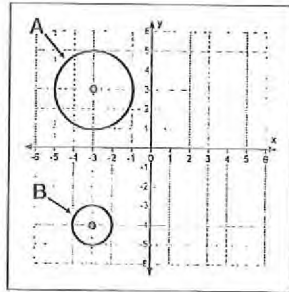


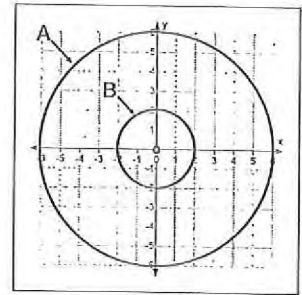
HW: Similarity of Circles Practice

Name: \_\_\_\_\_

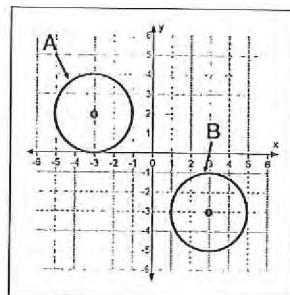
1) Prove that the circles are similar.



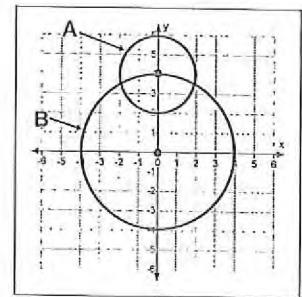
2) Prove that the circles are similar.



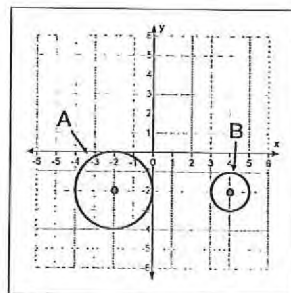
3) Prove that the circles are similar.



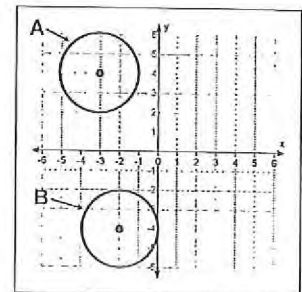
4) Prove that the circles are similar.



5) Prove that the circles are similar.



6) Prove that the circles are similar.

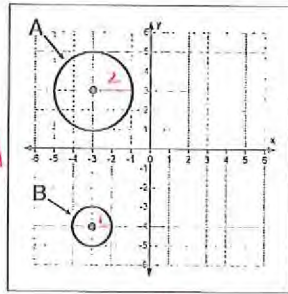


HW: Similarity of Circles Practice

Name: Key

1) Prove that the circles are similar.

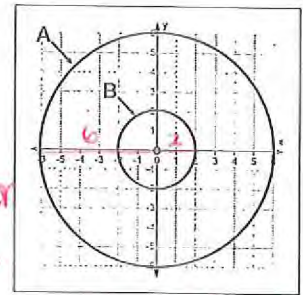
They are similar b/c  $\odot A$  was dilated by a factor of  $\frac{1}{2}$   $\rightarrow$  translated down 7 units to create  $\odot B$ .



$SF = \frac{1}{2}$

2) Prove that the circles are similar.

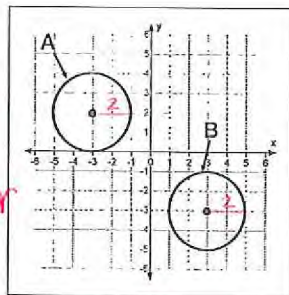
They are similar b/c  $\odot A$  was dilated by a factor of  $\frac{1}{3}$  to create  $\odot B$ .



$SF = \frac{2}{6} = \frac{1}{3}$

3) Prove that the circles are similar.

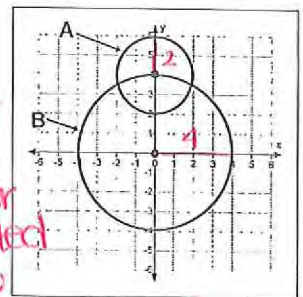
They are similar b/c  $\odot A$  was dilated by a factor of 1, translated right 6  $\rightarrow$  down 5 units to create  $\odot B$ .



$SF = \frac{2}{2} = 1$

4) Prove that the circles are similar.

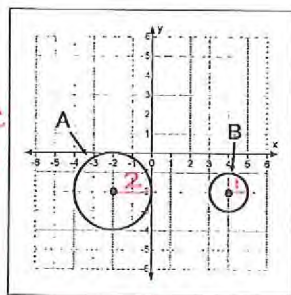
They are similar b/c  $\odot A$  was dilated by a factor of 2 and translated down 4 units to create  $\odot B$ .



$SF = \frac{1}{2} = 2$

5) Prove that the circles are similar.

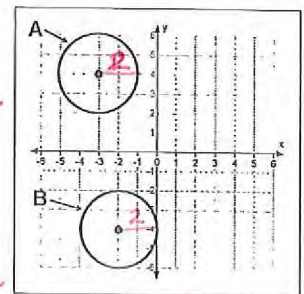
They are similar b/c  $\odot A$  was dilated by a factor of  $\frac{1}{2}$   $\rightarrow$  translated right 6 units to create  $\odot B$ .



$SF = \frac{1}{2}$

6) Prove that the circles are similar.

They are similar b/c  $\odot A$  was dilated by a factor of 1  $\rightarrow$  translated down 8 units  $\rightarrow$  right 1 unit to create  $\odot B$ .



$SF = \frac{2}{2} = 1$