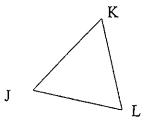
Name:	e: Date:	Hour:
1.	Unit K Exam Review A photo measures 5" by 7". If the shorter dimens what is the longer dimension?	
2.	An image of a building in a photograph is 6 cm w similar to the actual building and the actual building is the actual building?	
3.	A painting is 16 in wide and 31 in high. A reproduction original, is 11 in wide. How high is the reproduction	
4.	If a rider covers 2.25 km in 9 minutes, how far ca	n she travel in 1 hour?

Mrs. Liu paid \$11.44 for 8 gallons of gasoline. How much would she have to pay for a whole tankful if her tank holds 35 gallons?

5.

6. Draw the image of AJKL under a size change with center O and magnitude 2/3.

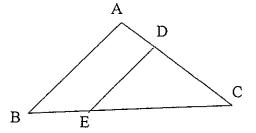


.0

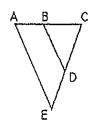
Draw the image of XY under a size change with center P and magnitude 1.5. 7.



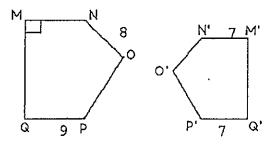
- Let S be the size change such that  $S_k(\Delta DEC) = \Delta ABC$ . 8.
  - Is this size change an expansion or a. a contraction?
  - b. What is the value of k?



9.  $\triangle$  BCD  $\sim$   $\triangle$  ACE. If CD = 6, BD = 7, and AE = 10, find CE to the nearest tenth.

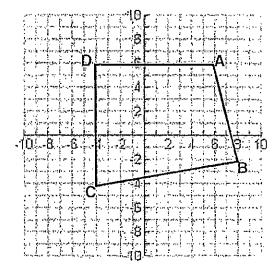


MNOPQ ~ M'N'O'P'Q', with sides and angle measures as indicated in the figure. 10. Find as many other missing side lengths and angle measures as possible.



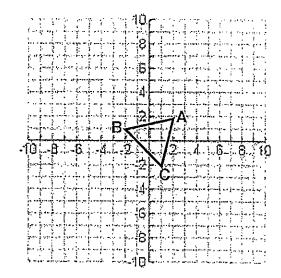
a. On the coordinate axes to the right, graph 11. the image of ABCD under  $S_{0.5}$  and give the coordinates of the new vertices.

b. Show that the distance between A and D is half of the distance between A' and D'.



12. a. On the coordinate axes to the right, graph the image of  $\Delta {\rm ABC}$  under  $S_{\rm 2.5}$  and give the coordinates of the new vertices.

b. What is  $S_{0.25}(C)$ ?



Name:		Date:	Hour:
13.	A hexagon has an area 90 in² and shor has shortest side of length 4 in. What is	test side length 5 in. A simila	ar hexagon
14.	A octagon has area 150 cm² and longes has longest side 4 cm. What is the area		ar octagon
15.	If a 16-inch pizza costs \$9.50, at the sa 18-inch pizza of the same thickness wit the nearest cent.		
16.	If it takes 3 tubes of gold paint to cover gold paint will it take to cover a cube wi		, how much
17.	A figure with area 16 is transformed into change of magnitude?	_	a size
18.	If it takes 1200 gallons to fill a cylindrica to fill a similar swimming pool with doub		would it take
19.	When his height was measured at 8' 11 How much would a 5' 10" man weigh if	•	