UNIT 5 Part 2 Review: Similar Figures and Scale		Name:	
		Date:	Period:
SHOW SETUPS and STEPS for each pro	blem on the review. Us	se extra paper if necessary.	
Use the figures below to answer the que	estions 1-5.	Which angle corresponds to (A. 2	ANSWER SHEET
$\begin{array}{c} D \\ 12 \\ 44^{\circ} \\ 44^{\circ} \\ 34^{\circ} \end{array} \qquad B \\ \begin{array}{c} 4 \\ 44^{\circ} \\ 44^{\circ} \\ 44^{\circ} \\ 34^{\circ} \\ \end{array}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Which angle corresponds to $\angle C$? Which angle corresponds to $\angle C$? Which side corresponds to \overline{CB} ? Which side corresponds to \overline{AC} ?	2
E F	5. A	are these figures similar?	3
6. Is trapezoid ABCD similar to trapezoid <i>WXYZ</i> ?	7. Are the follow Two triangles with	ing similar: sides 4 : 16 : 10 and 2 : 8 : 5.	4
Z 9 Y	8. Similar? 8 4	5	5
A 16 B			6
18 18 18 18 18 18 18 18	9. Are two square other has a side = 6	s similar if one has a side = 10 cm and the 5 cm?	8
Find the scale factor for each of the following. 10. Boy: 72 inches and Action Figure: 6 inches FIND THE SCALE FACTOR FOR THE BOY (figure to boy):			9
A. $\frac{1}{12}$ B. $\frac{1}{10}$ C. $\frac{1}{7}$	D. <u>12</u> <u>1</u>		10
11. Dog: 24 inches and Stuffed Animal: 8 inches A. $\frac{3}{1}$ B. $\frac{1}{4}$ C. $\frac{1}{3}$	FIND THE SCALE FACTOR FOR TH D. $\frac{1}{5}$	IE STUFFED ANIMAL (dog to stuffed animal):	11
12. Identify the Scale factor of the Flute. (piccolo : flute) 13. Identify the Scale factor of the map. (actual : map) 14. Identify the Scale factor of the Ukulele. (guitar : ukulele) Flute Piccolo 14. Identify the Scale factor of the Ukulele.			· 12
Frace Precord Map D 36 18 1 in	nch 50 miles	36 18	13
			14

Using what you know about proportions, solve the following.

