

**\*\*must show work to support answer\*\***

1.  $585 \text{ in}^2$
2.  $93.5 \text{ cm}^2$
3.  $45 \text{ m}^2$
4.  $172 \text{ m}^2$
5. \$345
6. \$247.50

**\*\*MUST EXPLAIN AND SHOW WORK.\*\***

Did you include words like “corresponding”, “stretching”, and “shrinking”? Did you show your work to find and use scale factor?

1. a. scale factor = 0.5 or  $\frac{1}{2}$   
b. scale factor = 2  
c.  $\overline{AD} = 26 \text{ cm}$   
d.  $\angle D = 125^\circ, \angle R = 55^\circ$
2. a. scale factor =  $\frac{2}{3}$   
b. scale factor = 1.5  
c.  $\overline{WC} = 15 \text{ in}, \overline{ED} = 6 \text{ in}$   
d.  $\angle E = 85^\circ$