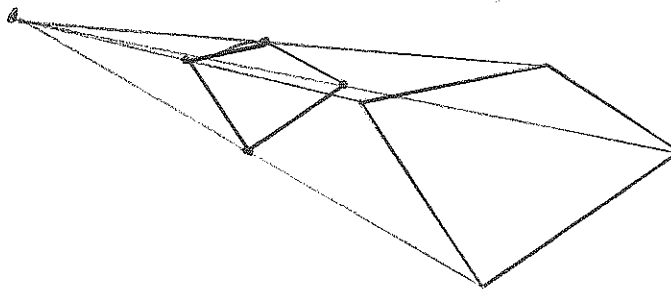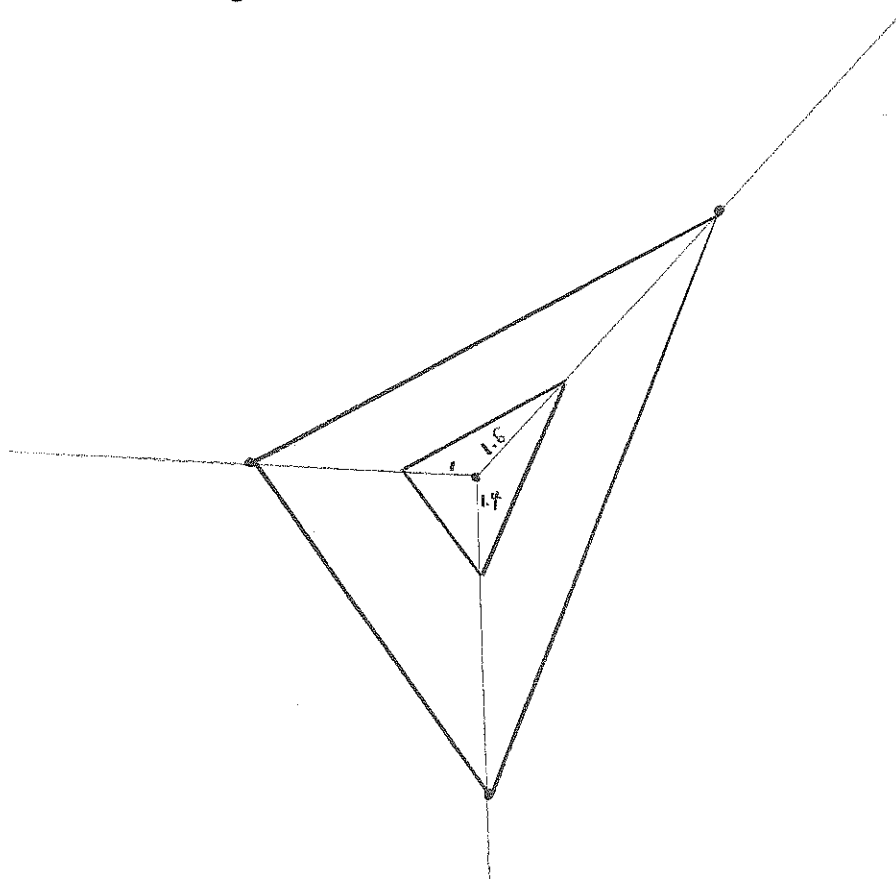Name:_____

1. Draw a similar figure to the one shown with a scale factor of 0.5

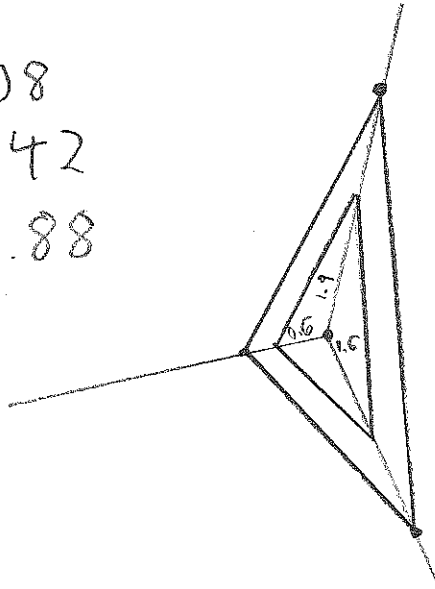2. Draw a similar figure to the one shown with a scale factor of 3.

3. Draw a similar figure with side lengths 80% longer than the figure below.
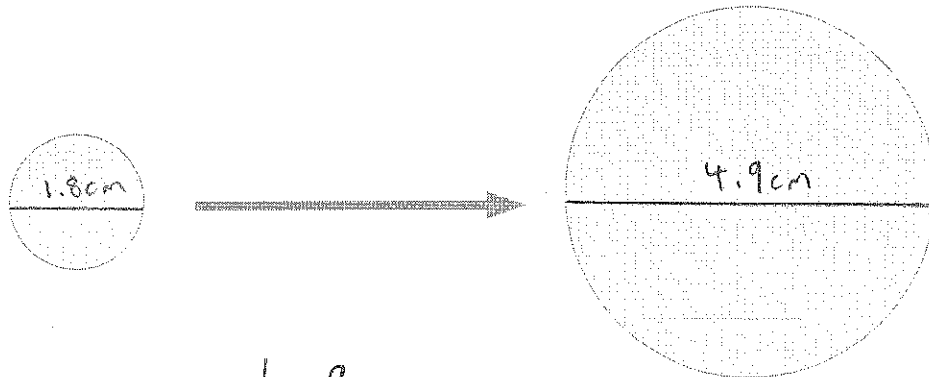
$0.6 \times 1.8 = 1.08$

$1.9 \times 1.8 = 3.42$

$1.6 \times 1.8 = 2.88$

80% longer
means a
scale factor
of 1.8

4. What scale factor is the following enlargement?

1.8cm

4.9cm

$\dfrac{4.9}{1.8}$ ~ 2.7~

5. Draw a rectangular border around this page which is similar in shape to the page but is reduced using a scale factor of 0.9.

Page is 11.5×8 inches

$11.5 \times 0.9 = 10.35$ $11.5 - 10.35 = 1.15 \div 2$

$= 0.575''$
off top and bottom

$8 \times 0.9 = 7.2$ $8 - 7.2 = 0.8 \div 2 = 0.4$
off left & right