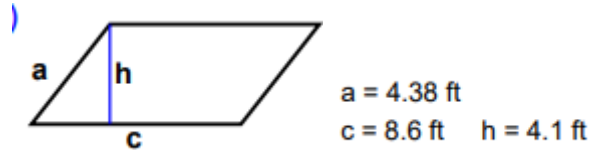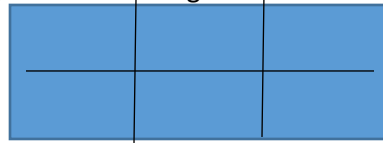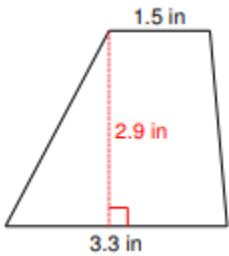Study Guide for 6G1 and 6G4 test

1) The figure below is made of 6 small squares. The sides of each square measure 5 units long. What is the area of the figure? I drew this so you are assuming all of the sides are the same...
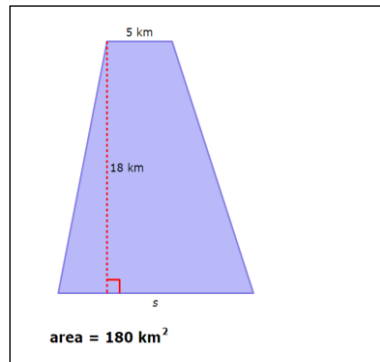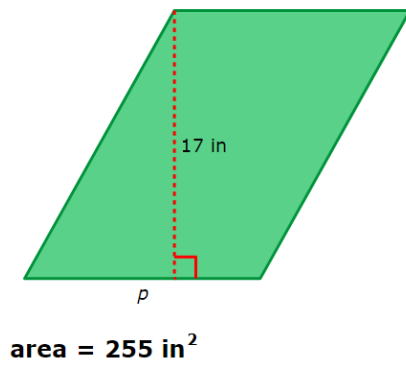
a = 4.38 ft

c = 8.6 ft   h = 4.1 ft

2)   Write the formula for the area of a parallelogram

3) Find the area of the parallelogram (above)

1.5 in

2.9 in

3.3 in
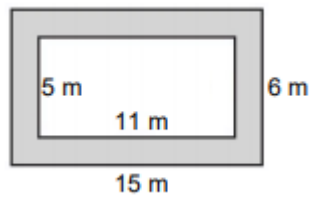
Write the formula for the area of a trapezoid then...Find the area of the trapezoid

4) Find the missing length...

17 in

5 km

18 km

s

area = 180 km²

area = 255 in²

5) Find the missing length

5 m   6 m

11 m

15 m

9 m

12 m

8 m
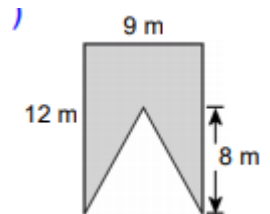
5) Find the area of the figure   6) Find the area of the figure

7. Plot the following points on the plane, then find the perimeter and area A(-2, 5), B (4,5) C (4, -3) D (-2,-3)

8. What happens to the area of a rectangle which is 4x 5 , when one of the dimensions is increased?

9. What happens to the area of the rectangle above when both of the dimensions are increased?

10. Find the missing dimension- be sure to substitute your numbers into the equation. You are looking for b_2

16 cm

16 cm