GEOMETRY TEST -- Bowman

Identify the figure with its name

1		☐	☐	Acute angle
2		☐	☐	Parallel lines
3		☐	☐	Obtuse angle
4		☐	☐	Ray
5		☐	☐	Perpendicular lines
6		☐	☐	Line

What shape is being defined?

7   2 sets of parallel lines

9   2 sets parallel lines
    All angles = 90 degrees
    ALL sides same length

8   3 sides
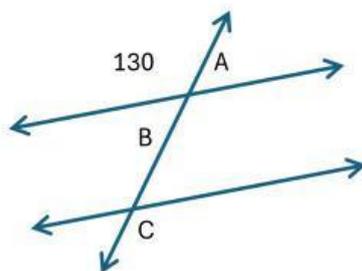   90 degree angle
    2 congruent legs

10 3 sides
    ALL angles less than 90 degrees
    no sides same length

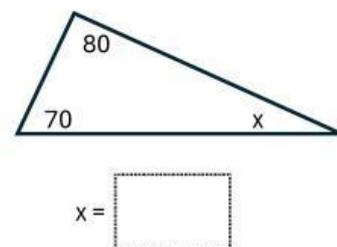Find the measure of the missing angles

11 A= ☐
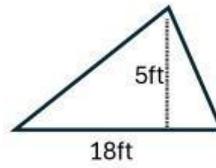
12 B= ☐

13 C= ☐

130   A
      B
      C

14

80

70   x

x = ☐

LIVEWORKSHEETS

Find the area of the following shapes

15

12 in

4 in

A= [____] in^2

16

5ft

18ft

A= [____] ft^2
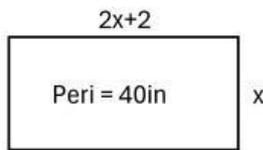
17) Find the deminsions (length AND width) of a rectangle that has an PERIMETER of 40 inches and the length is 2 more than twice the width. The formula for perimeter is P=2(L +W) OR P=2L + 2W
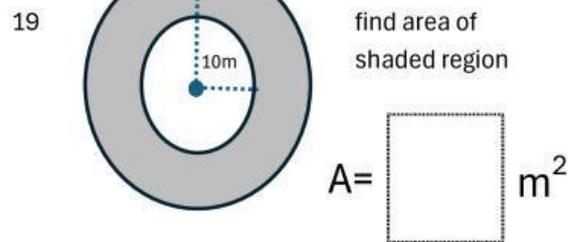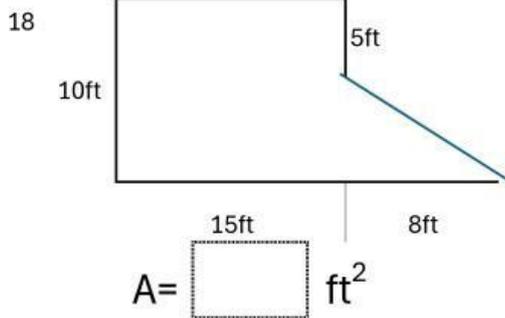
2x+2

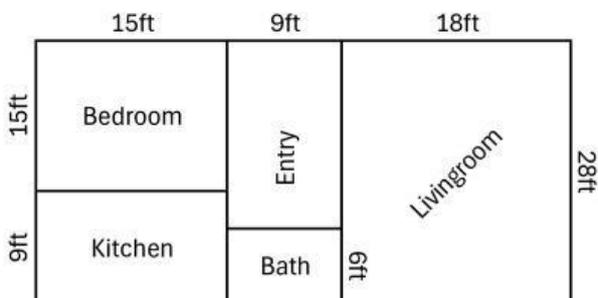Peri = 40in   x

Length (longer) = [____] in

Width (shorter) = [____] in

Plug what you know in the formula and do the algebra...you know the perimeter, length and width. Solve for X then use that to find the Length.

Find the area of the compund shapes

18

5ft

10ft

15ft   8ft

A= [____] ft^2

19

20m = radius of outer circle

10m

find area of shaded region

A= [____] m^2

20 Broden has decided he wants to redo the flooring in his house. He wants carpet in the living room and bedroom and tile in the entry way, bathroom and kitchen. How much of each flooring does he need?

15ft   9ft   18ft

15ft

Bedroom

Entry

Livingroom

28ft

9ft

Kitchen

Bath

6ft

Carpet needed [____] ft^2

Tile needed [____] ft^2