

GEOMETRY TEST -- Bowman

Identify the figure with its name

1


☐
☐

Acute angle

2


☐
☐

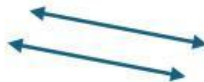
Parallel lines

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

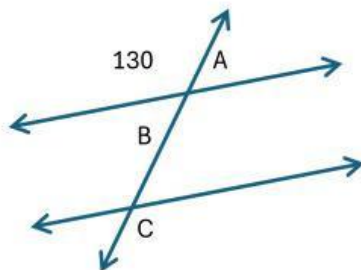
no sides same length

Find the measure of the missing angles

11 A=

12 B=

13 C=



14



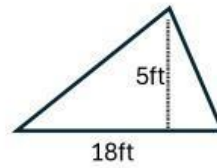
x =

Find the area of the following shapes



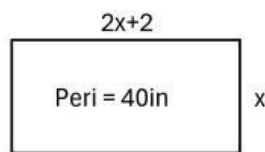
$$A = \boxed{} \text{ in}^2$$

16



$$A = \boxed{} \text{ ft}^2$$

- 17) Find the dimensions (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 $P=2L+2W$



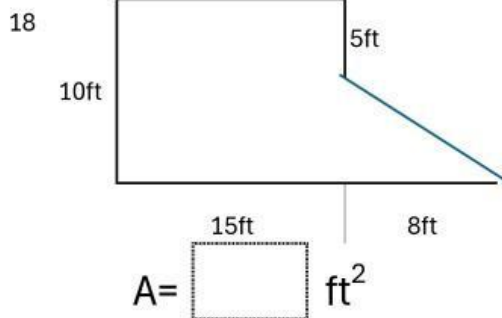
Length (longer) =

Width (shorter) =

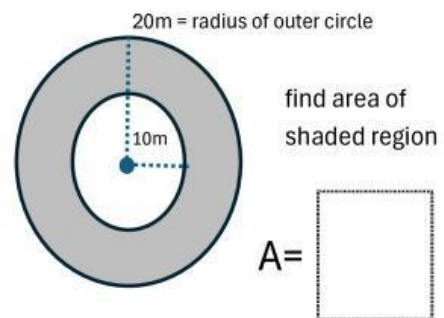


Plug what you know in the formula and do the algebra...you know the perimeter, length and width. Solve for X then use that to find the Length.

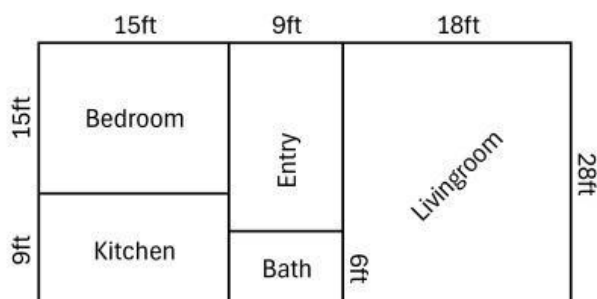
Find the area of the compound shapes



19



- 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?



Carpet needed $\boxed{} \text{ ft}^2$

Tile needed $\boxed{} \text{ ft}^2$