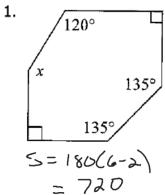
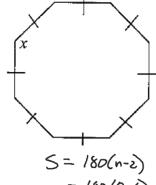
Find the value of x



X+120+90+135+135+90=720

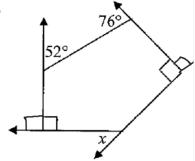
2.



= 180(8-6)

$$X = \frac{1060}{8}$$

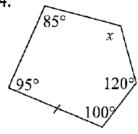
3.



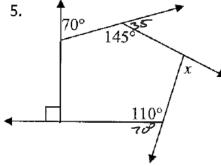
90+52 +76+40+x=30

## Find the value of x

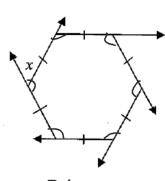
4.



540 = 85+95+X+120+100



6.



8. If the sum of the interior angles of a polygon is 5040°, then the polygon has how many sides?

$$S = 180(n-2)$$

$$\frac{5040 = 180(n-2)}{180}$$

$$28 = n-2$$

$$+2$$

$$+2$$

$$+2$$

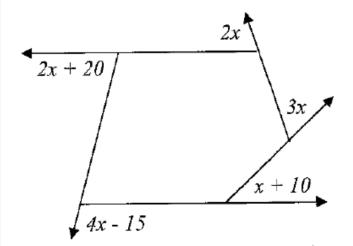
$$+2$$

9. The measure of each interior angle of a regular polygon is 144°. How many sides does the polygon have?

Exterior 
$$L$$

$$\frac{360}{36} = 10$$

## 12. Find the value of x.



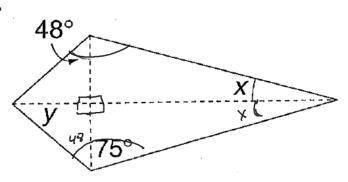
15. A convex heptagon has interior angles that measure 120°, 115°, 135°, 95°, 155°, and 125°. What is the measure of the seventh interior angle?

```
S = 180(7-2)
= 900
900 = x+745
X=155
```

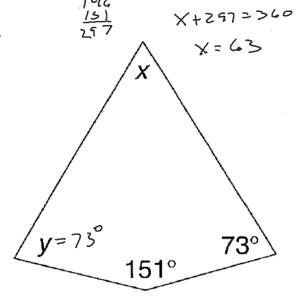
The figures in Problems 1 and 2 are kites. Find x and y for each.

1. 2.  $\frac{\frac{151}{257}}{257}$   $\times +257 = >6$ 

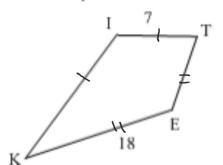
1.



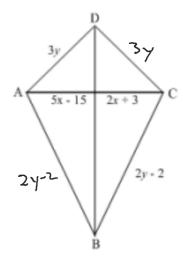
$$x = 15^{\circ}$$
  $y = 42^{\circ}$ 



6. Find the perimeter of kite KITE.

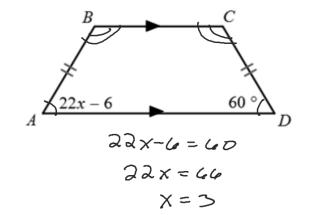


9. If the perimeter of kite ABCD = 86 feet, find x and y.



$$3y+3y+2y-2+2y-2=86$$
 $10y-4=86$ 
 $10y=90$ 
 $y=9$ 

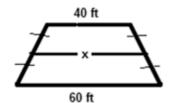
This is an \_\_\_\_\_



## midseyment = bitb2

Find the missing measure (median is the middle support) of the trusses shown below.

a)



20 ft 28 ft

$$X = \frac{50}{2}$$

$$X = \frac{40+60}{2}$$

$$x = \frac{1}{2(20)} = \left(\frac{x+2x}{2}\right)^{2}$$

$$40 = x+2x$$

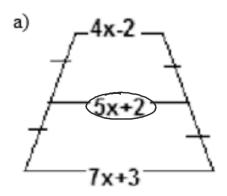
$$x = 12$$

$$x = \frac{1}{2(68)^{2}} \left(\frac{x+45}{2}\right)^{2}$$

$$|36 = x+45$$

$$x = 9|$$

Find the value of x



$$5 \times +2 = \frac{4 \times -2 + 7 \times +3}{2}$$

$$2 (5 \times +2) = \frac{11 \times +1}{2}$$

$$10 \times +4 = 11 \times +1$$

$$4 = \times +1$$

$$\times = 3$$

