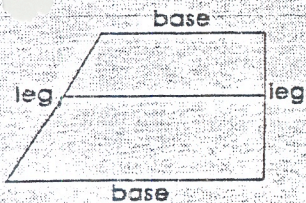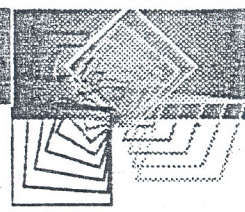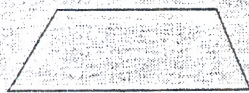## Trapezoids

- base
- leg
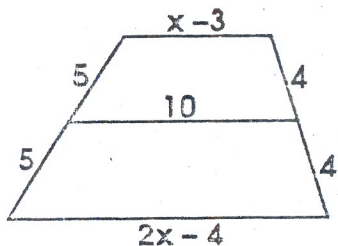- leg
- base

isosceles trapezoid

- Four sides.
- Exactly one pair of parallel sides.
- The median is parallel to the bases.
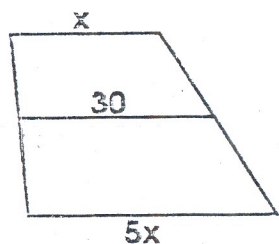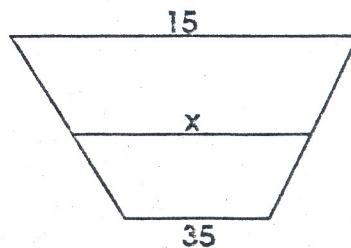- The median has a length equal to the average of the bases.

- A trapezoid with congruent legs.
- Opposite ∠'s are supplementary.

Find the missing values.
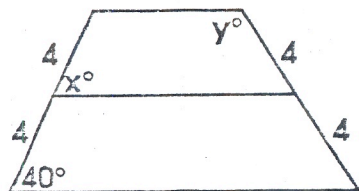
1.

x – 3
5
10
4
5
4
2x – 4

2.

15
x
35

3.

x
30
5x

4.

2x
5x
6x + 12

5.

4   Y°   4
x°
4   4
40°

6.

8   Y°
8   X
60°
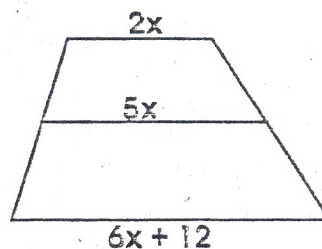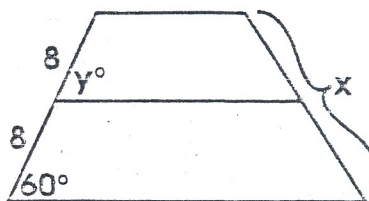
If BG = 8, then CF = _____ and DE = _____.

If CF = 10, then BG = _____ and DE = _____.

If DE = 15 and BG = 7, then CF = _____.

If CF = 2x + 4, BG = 2x + 1, and DE = 3x + 2, then x = _____.