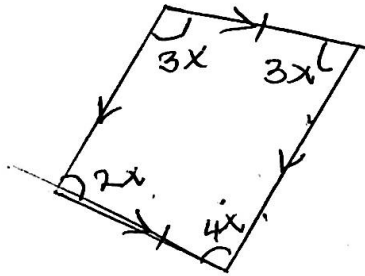


Answers for Tuesday 19.05.2020 (Sipro Pg 129-131)

1.a



$$2x + 3x + 3x + 4x = 360^\circ$$

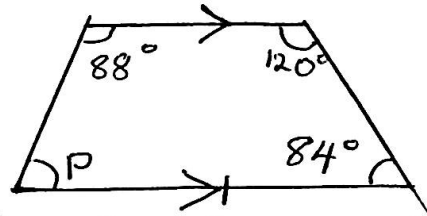
$$5x + 7x = 360^\circ$$

$$\frac{12x}{12} = \frac{360^\circ}{12}$$

$$x = 30^\circ$$

$$x = 30^\circ$$

b



$$88^\circ + 120^\circ + 84^\circ + p = 360^\circ$$

$$292^\circ + p = 360^\circ$$

$$292^\circ - 292^\circ + p = 360^\circ - 292^\circ$$

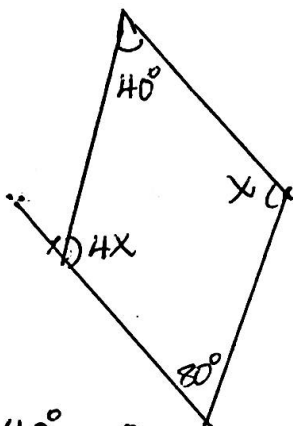
$$0 + p = 68$$

$$p = 68$$

Note.

- The interior angle sum of a quadrilateral = 360°

6



$$40^\circ + 80^\circ + 4x + 5x = 360^\circ$$

$$120^\circ + 9x = 360^\circ$$

$$120^\circ - 120^\circ + 9x = 360^\circ - 120^\circ$$

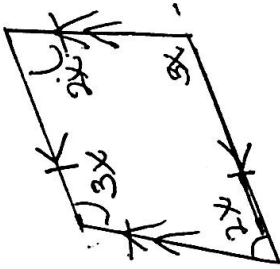
$$9x = 240^\circ$$

$$\frac{9x}{9} = \frac{240^\circ}{9}$$

$$x = 26.67^\circ$$

$$x = 26.67^\circ$$

d

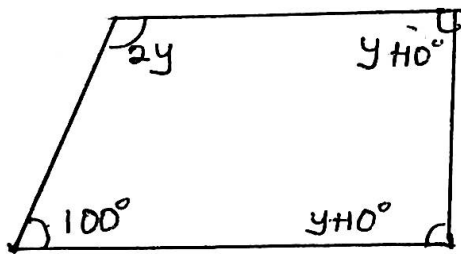


$$3x + 2x + 3x + 2x = 360^\circ$$

$$\frac{10x}{10} = \frac{360^\circ}{10}$$

$$x = 36^\circ$$

e



$$2y + 100^\circ + y + 10^\circ + y + 10^\circ = 360^\circ$$

$$2y + y + y + 100^\circ + 10^\circ + 10^\circ = 360^\circ$$

$$4y + 120^\circ = 360^\circ$$

$$4y + 120^\circ - 120^\circ = 360^\circ - 120^\circ$$

$$4y = 240^\circ$$

$$\frac{4y}{4} = \frac{240^\circ}{4}$$

$$y = 60^\circ$$