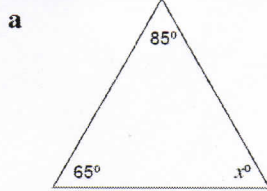
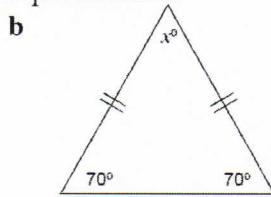


QUESTION 1 Find the value of the pronumeral.



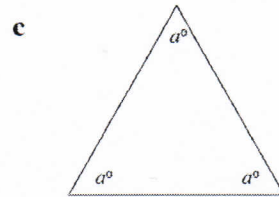
$$85 + 65 + x = 180$$

$$\therefore x = 30^\circ$$



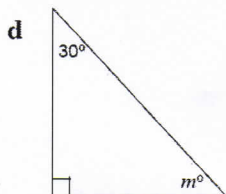
$$2 \times 70 + x = 180$$

$$\therefore x = 40^\circ$$



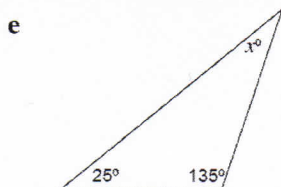
$$3a = 180$$

$$\therefore a = 60^\circ$$



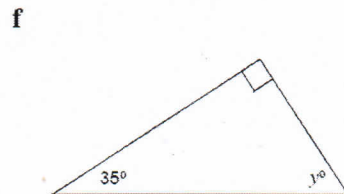
$$30 + 90 + m = 180$$

$$\therefore m = 60^\circ$$



$$x + 25 + 135 = 180$$

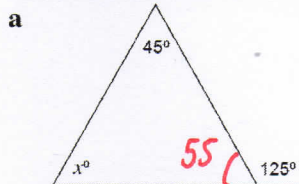
$$\therefore x = 20^\circ$$



$$35 + 90 + y = 180$$

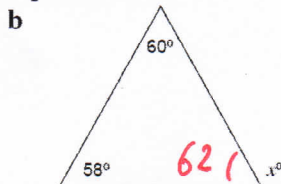
$$\therefore y = 55^\circ$$

QUESTION 2 Find the value of the pronumeral.



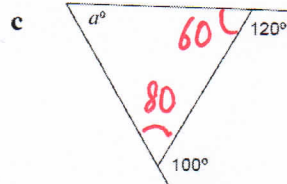
$$x + 45 + 55 = 180$$

$$x = 80^\circ$$



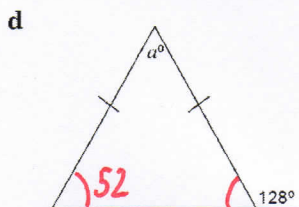
$$180 - 60 - 58 = 62$$

$$x = 180 - 62 = 118^\circ$$



$$a + 60 + 80 = 180$$

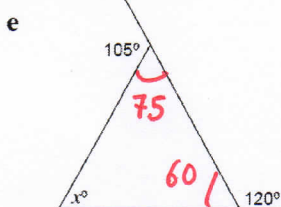
$$\therefore a = 40^\circ$$



$$180 - 128 = 52^\circ$$

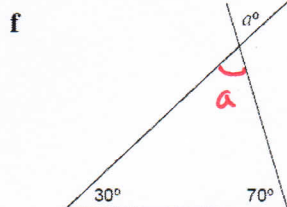
$$a + 2 \times 52 = 180$$

$$\therefore a = 76^\circ$$



$$x + 75 + 60 = 180$$

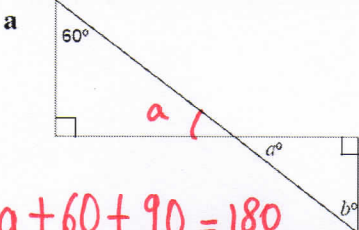
$$x = 45^\circ$$



$$a + 30 + 70 = 180$$

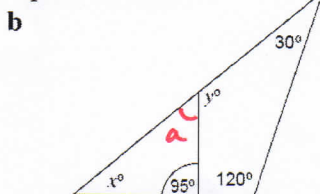
$$a = 80^\circ$$

QUESTION 3 Find the value of the pronumerals.



$$a + 60 + 90 = 180$$

$$\therefore a = 30^\circ \quad b = 60^\circ$$



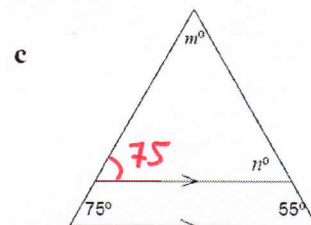
$$x + 30 + 120 = 180$$

$$\therefore x = 30^\circ$$

$$a + x + 95 = 180$$

$$\therefore a = 55^\circ$$

$$a + y = 180 \quad \therefore y = 125^\circ$$



$$n = 55^\circ \text{ (corresponding angles on parallel lines)}$$

$$m + 75 + 55 = 180$$

$$m = 50^\circ$$