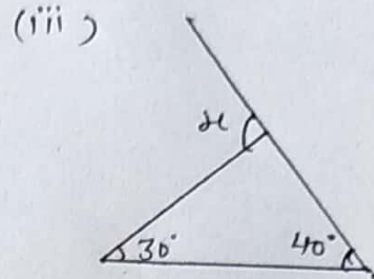
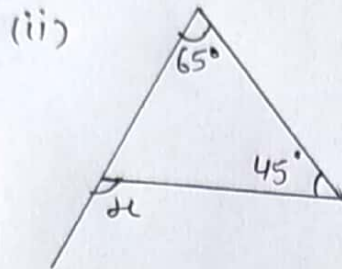
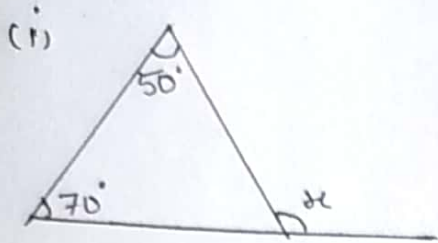


Exercise = 6.2

CLASS = VIII

(*)

(1) Find the value of the unknown exterior angle x in the following diagrams:



{ Exterior angle = sum of its interior opposite angles }

$$x = 50^\circ + 70^\circ$$

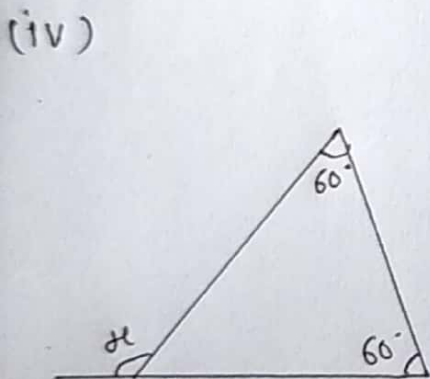
$$x = 120^\circ$$

$$x = 65^\circ + 45^\circ$$

$$x = 110^\circ$$

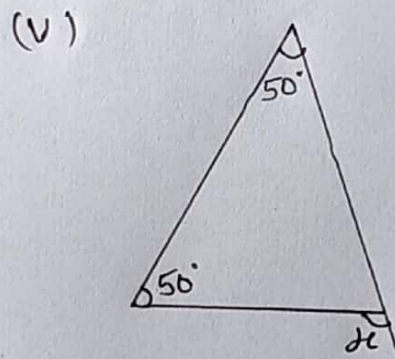
$$x = 30^\circ + 40^\circ$$

$$x = 70^\circ$$



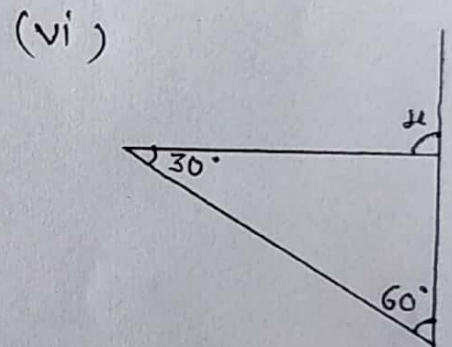
$$x = 60^\circ + 60^\circ$$

$$x = 120^\circ$$



$$x = 50^\circ + 50^\circ$$

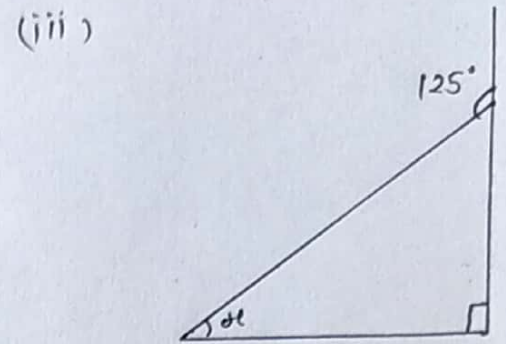
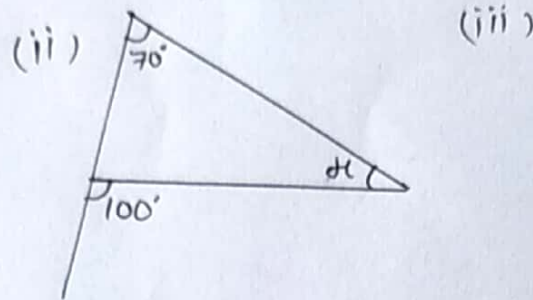
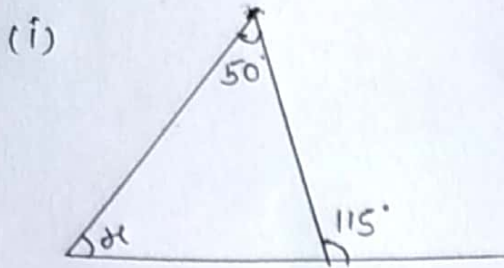
$$x = 100^\circ$$



$$x = 30^\circ + 60^\circ$$

$$x = 90^\circ$$

Q:- (2) find the value of the unknown interior angle x in the following figures:



{ Exterior angle = sum of its interior opposite angles. }

$$x + 50^\circ = 115^\circ$$

$$x = 115^\circ - 50^\circ$$

$$\boxed{x = 65^\circ}$$

$$x + 70^\circ = 100^\circ$$

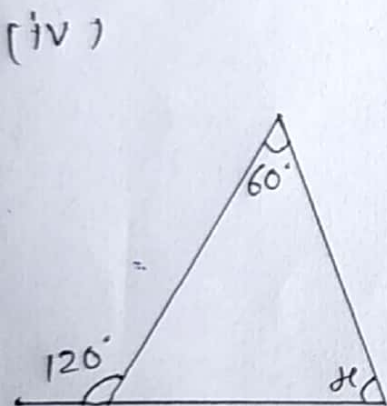
$$x = 100^\circ - 70^\circ$$

$$\boxed{x = 30^\circ}$$

$$x + 90^\circ = 125^\circ$$

$$x = 125^\circ - 90^\circ$$

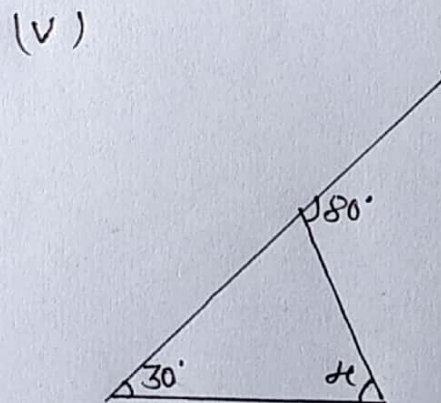
$$\boxed{x = 35^\circ}$$



$$x + 60^\circ = 120^\circ$$

$$x = 120^\circ - 60^\circ$$

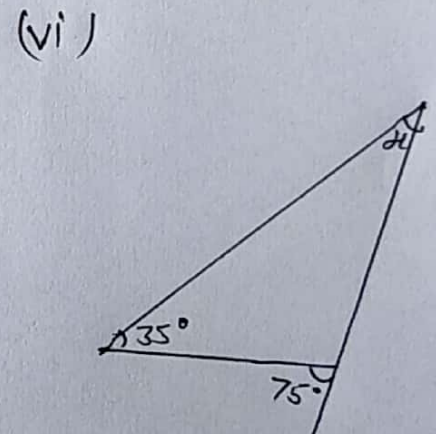
$$\boxed{x = 60^\circ}$$



$$x + 30^\circ = 80^\circ$$

$$x = 80^\circ - 30^\circ$$

$$\boxed{x = 50^\circ}$$



$$x + 35^\circ = 75^\circ$$

$$x = 75^\circ - 35^\circ$$

$$\boxed{x = 40^\circ}$$