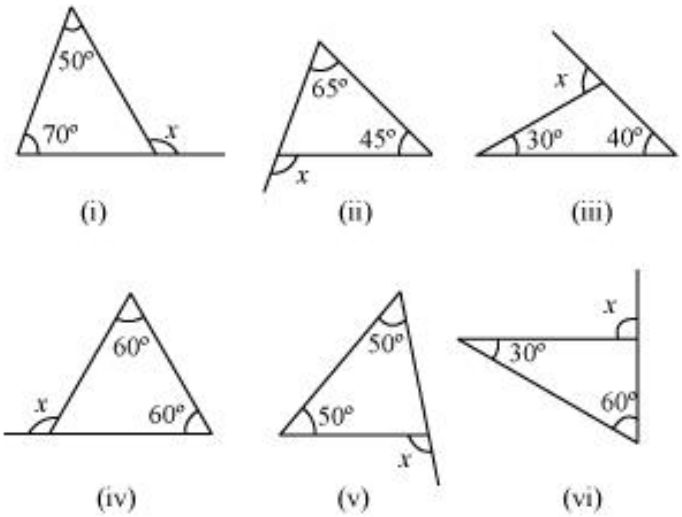
NCERT Solutions For Class 7 Maths The Triangle and its Properties Exercise 6.2

Q1. Find the value of the unknown exterior angle x in the following diagrams:



Ans:

(i) $x = 50° + 70°$ (Exterior angle theorem)

$x = 120°$

(ii) $x = 65° + 45°$ (Exterior angle theorem)

$= 110°$

(iii) $x = 40° + 30°$ (Exterior angle theorem)

$= 70°$

(iv) $x = 60° + 60°$ (Exterior angle theorem)

$= 120°$

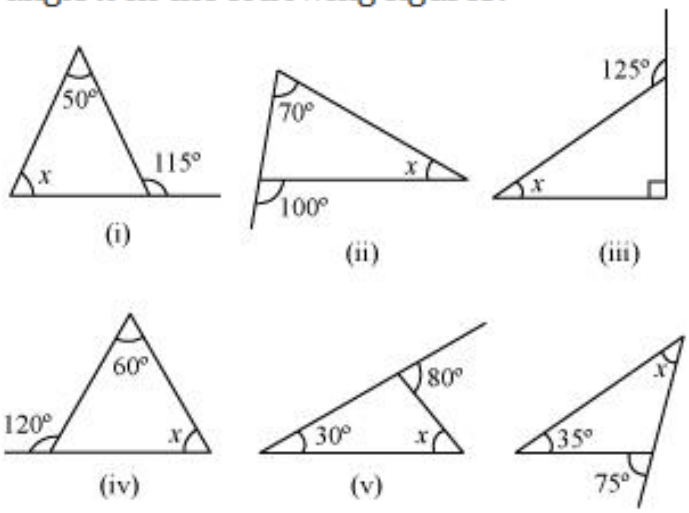
(v) $x = 50° + 50°$ (Exterior angle theorem)

$= 100°$

(vi) $x = 30° + 60°$ (Exterior angle theorem)

$= 90°$

Q2. Find the value of the unknown interior angle x in the following figures:



Ans:

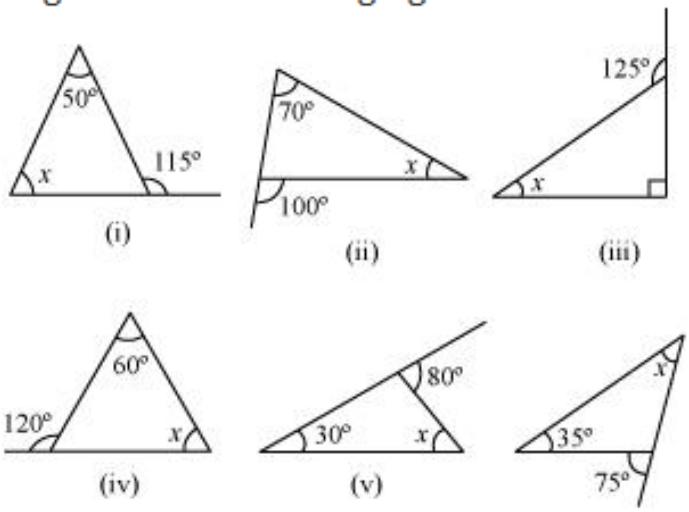
(i) $x + 50° = 115°$ (Exterior angle theorem)

$x = 115° - 50° = 65°$

(vi) $x = 30° + 60°$ (Exterior angle theorem)

$= 90°$

Q2. Find the value of the unknown interior angle x in the following figures:



Ans:

(i) $x + 50° = 115°$ (Exterior angle theorem)

$x = 115° - 50° = 65°$

********** END **********