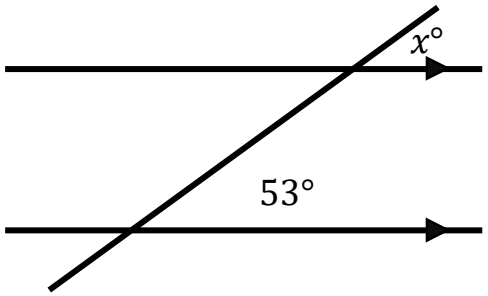
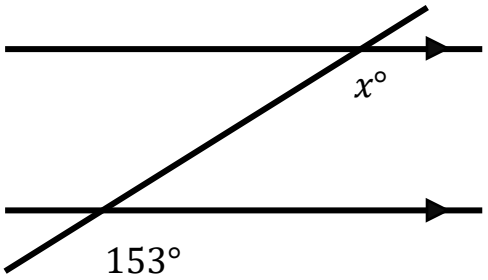
Angles in parallel lines

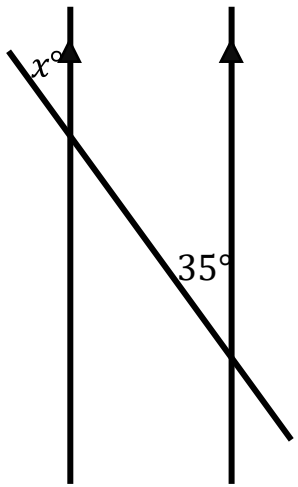
CONTENTS

Worked example

Find x:

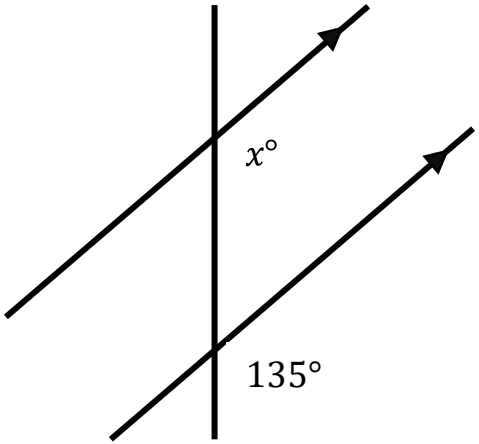






Your turn

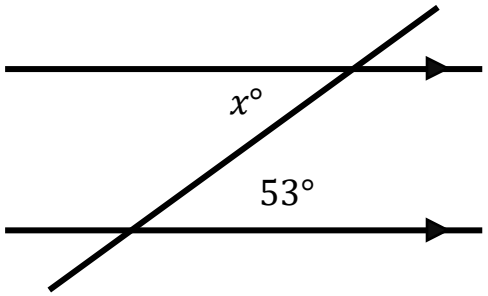
Find x:

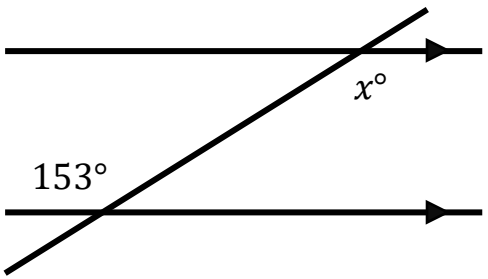


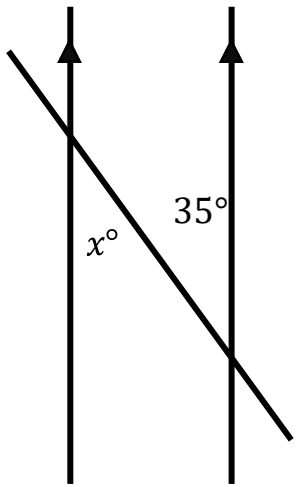
$x = 135$

Worked example

Find x:

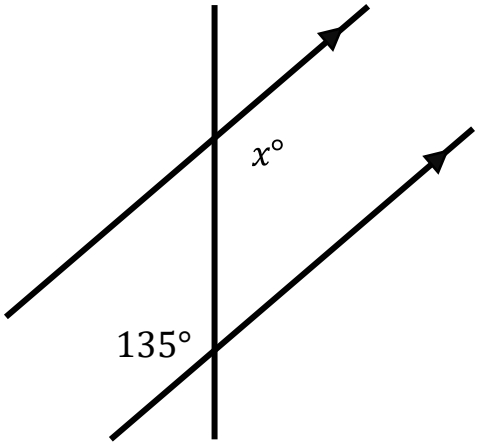






Your turn

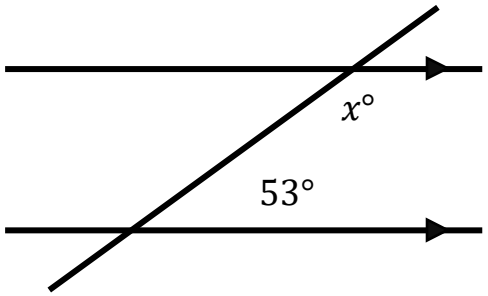
Find x:

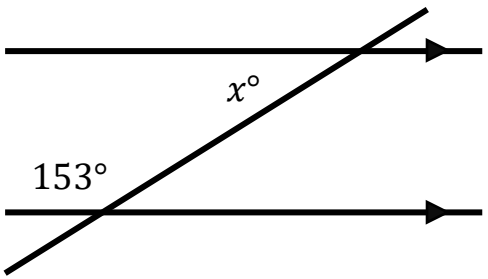


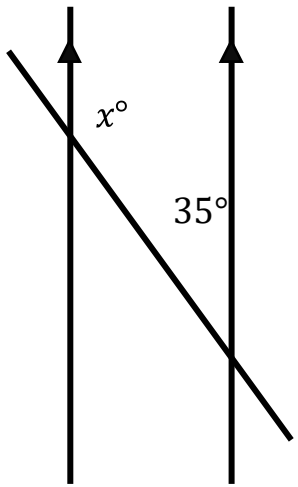
$x = 135$

Worked example

Find x:

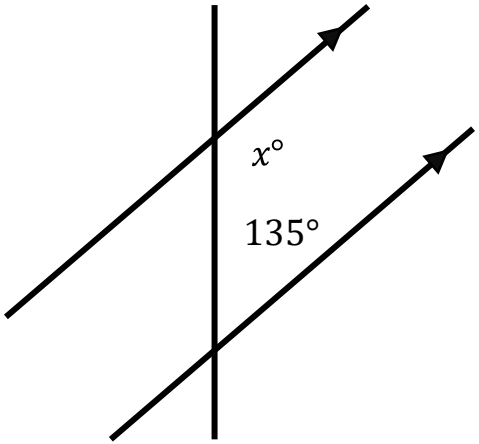






Your turn

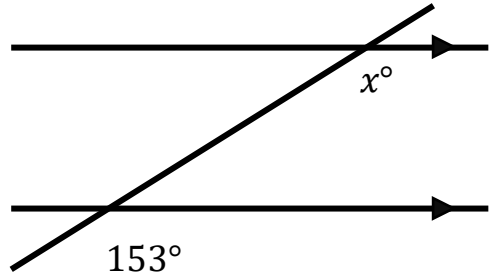
Find x:

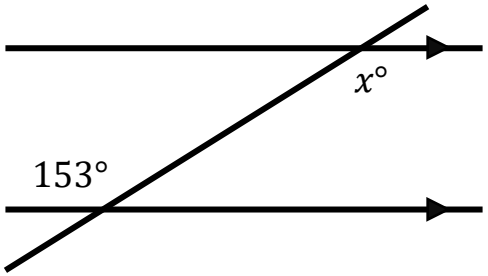


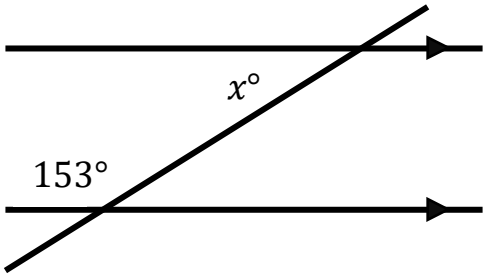
$x = 45$

Worked example

Find x:

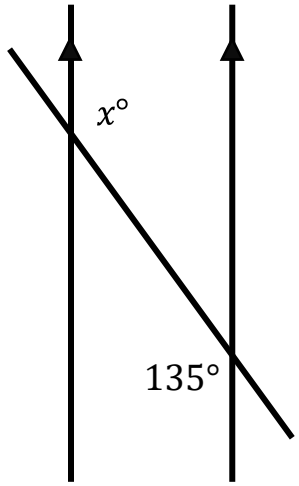




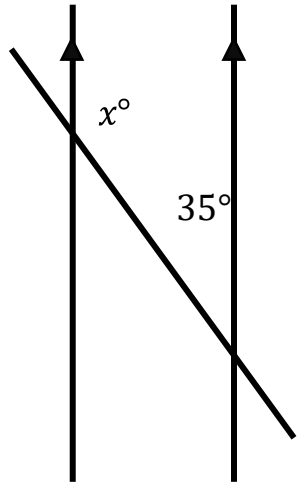


Your turn

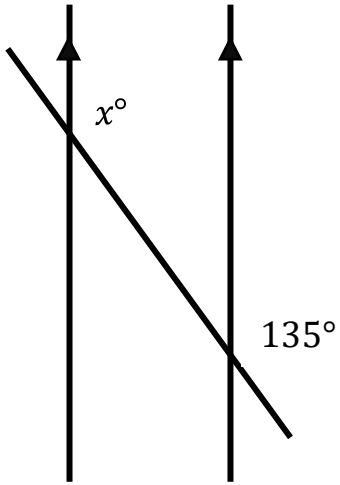
Find x:



$x = 135$



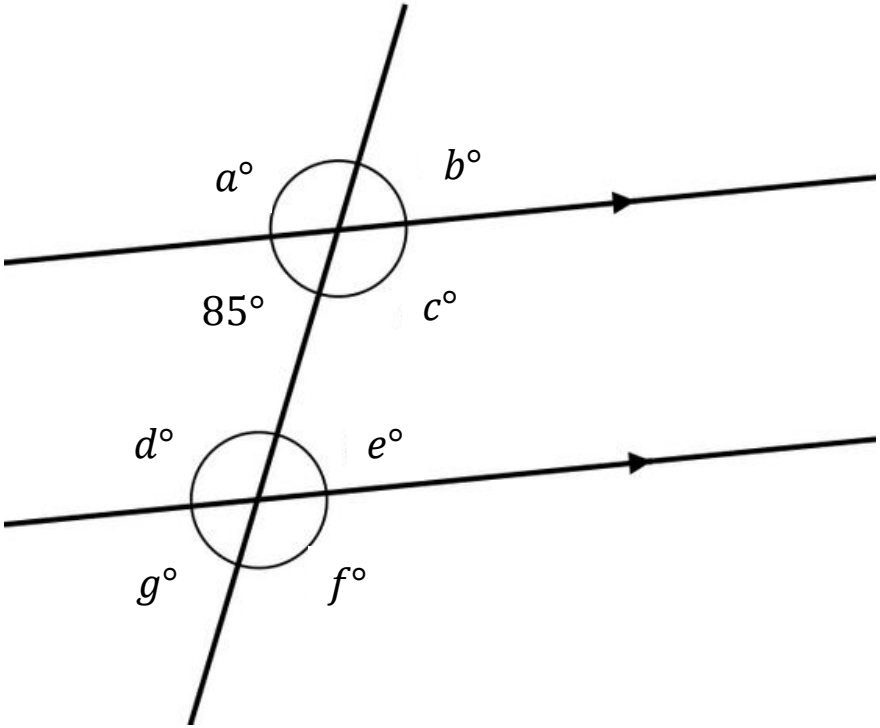
$x = 145$



$x = 135$

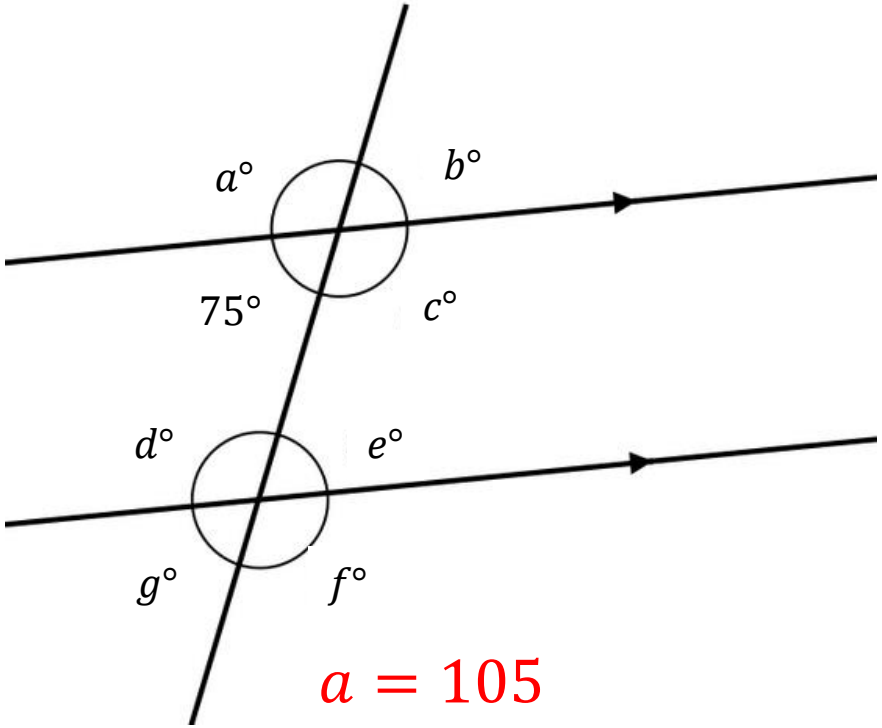
Worked example

Find the missing angles:



Your turn

Find the missing angles:



$a = 105$

$b = 75$

$c = 105$

$d = 105$

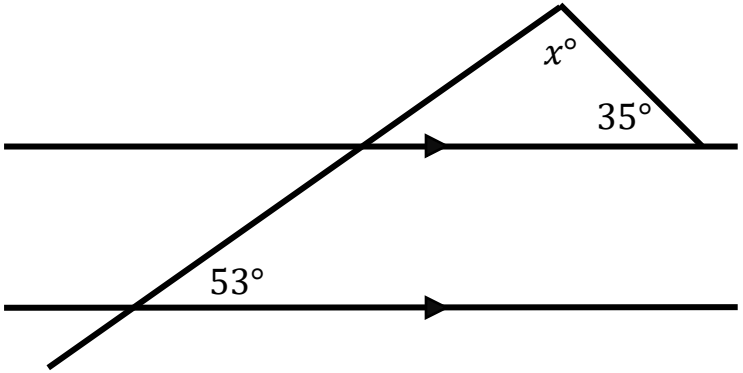
$e = 75$

$f = 105$

$g = 75$

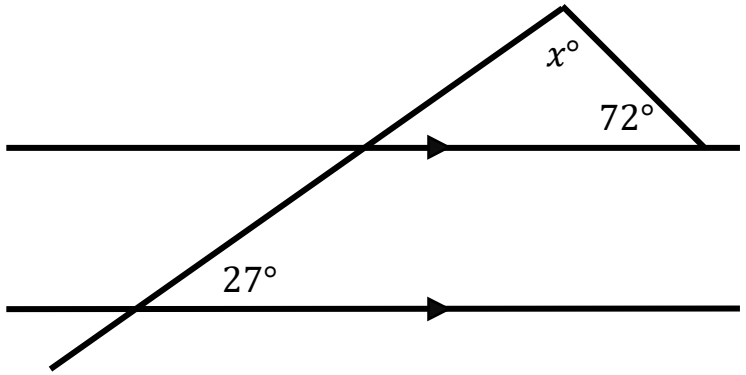
Worked example

Find x:



Your turn

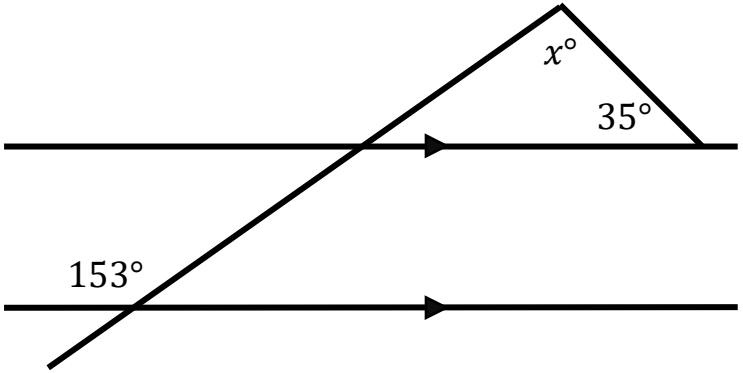
Find x:



$x = 81$

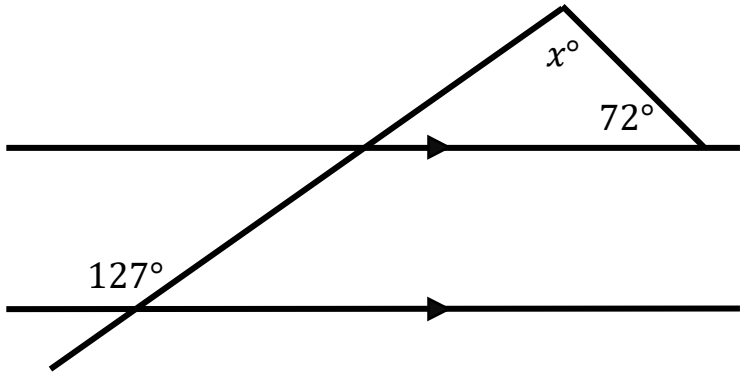
Worked example

Find x:



Your turn

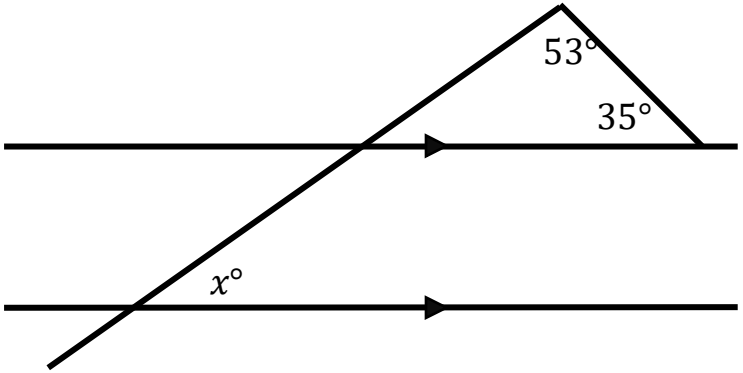
Find x:



$x = 55$

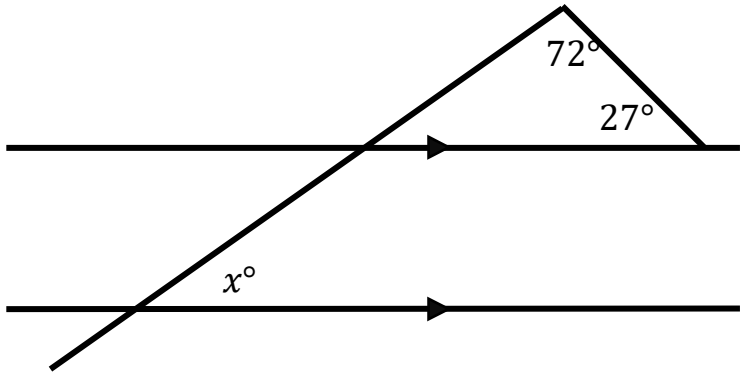
Worked example

Find x:



Your turn

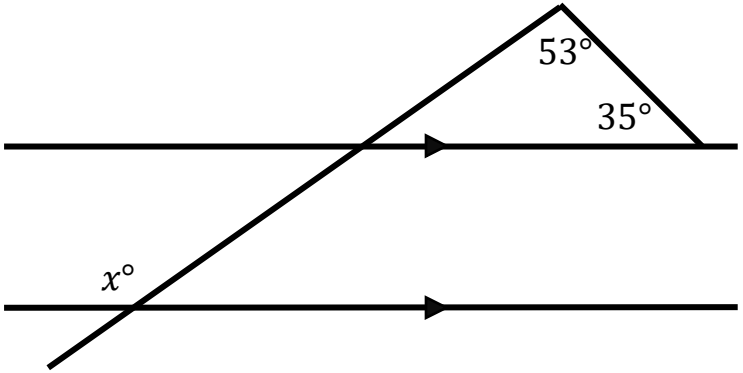
Find x:



$x = 81$

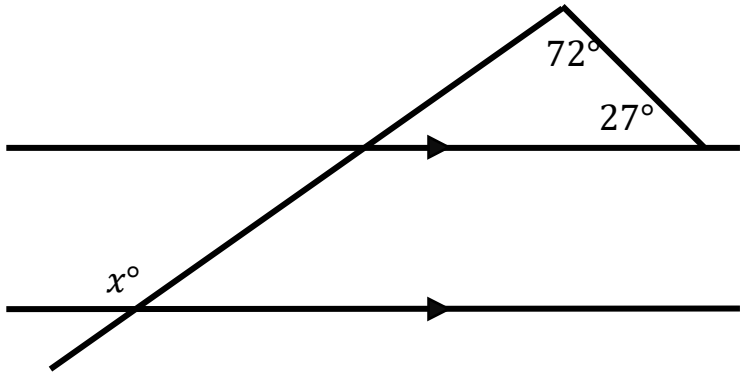
Worked example

Find x:



Your turn

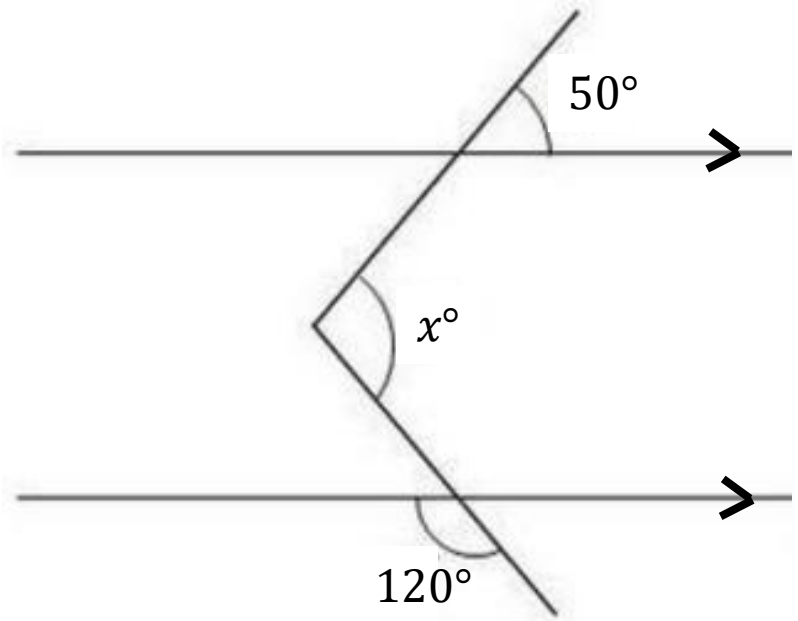
Find x:



$x = 99$

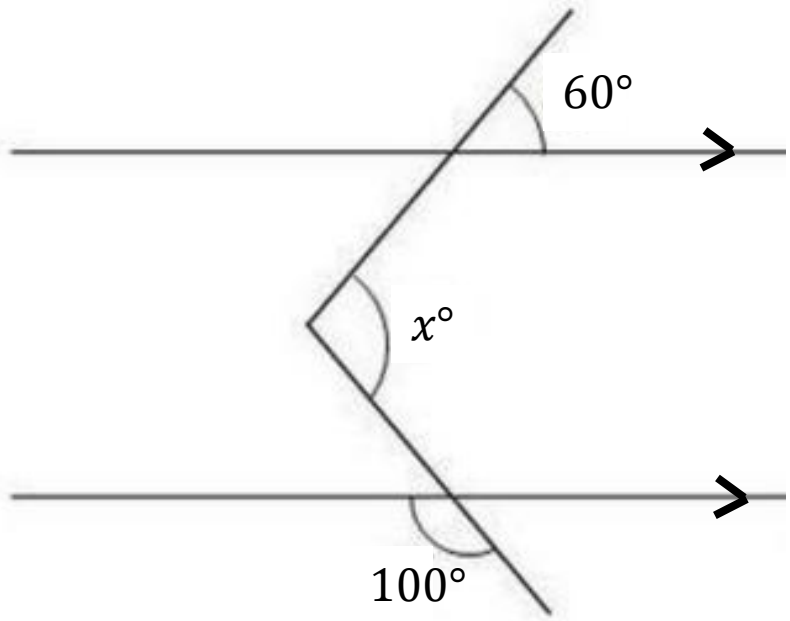
Worked example

Find x:



Your turn

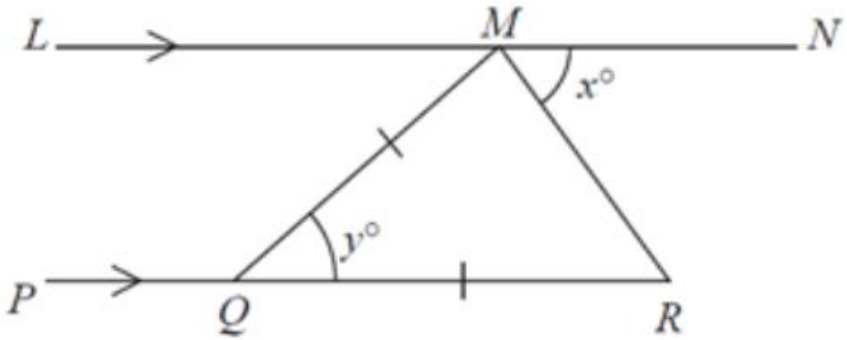
Find x:

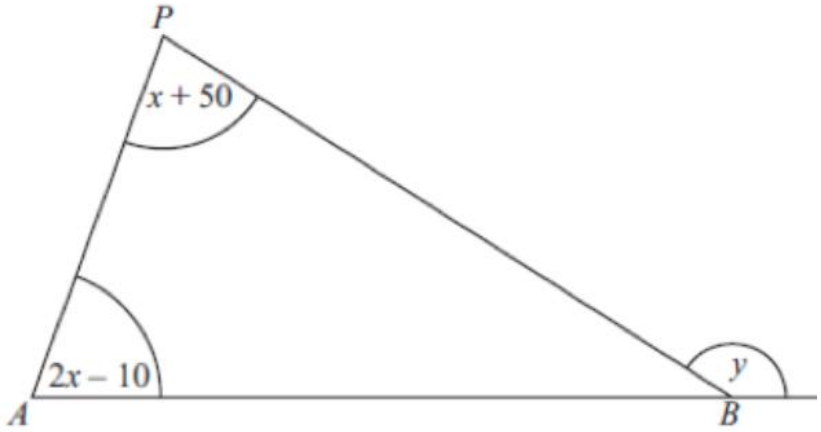


$x = 140°$

Worked example

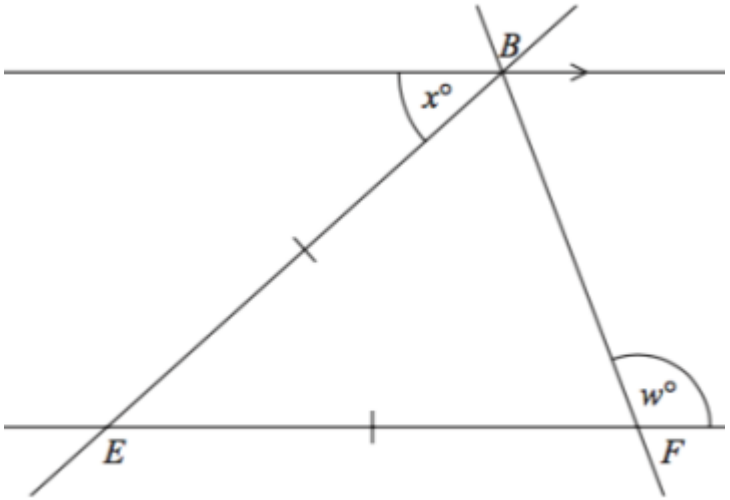
Find an expression for y in terms of x





Your turn

Find an expression for w in terms of x



$$w = 90 + \frac{1}{2}x$$