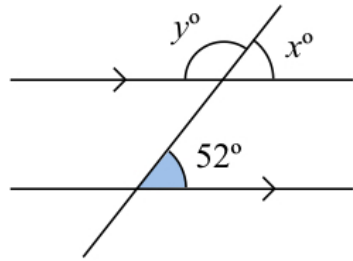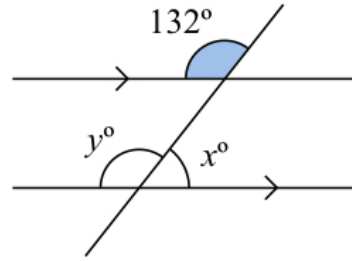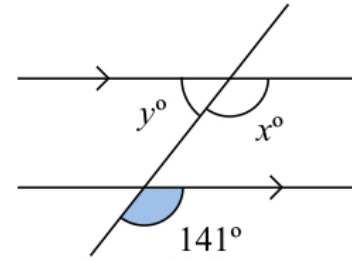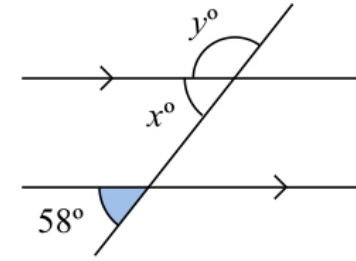**A1** Find the values of x and y

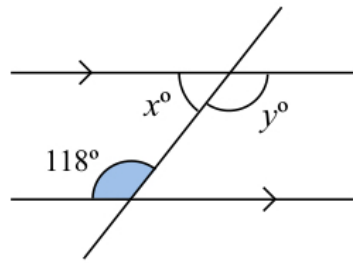**A2** Find the values of x and y

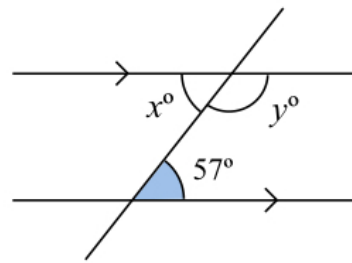**A3** Find the values of x and y

A4 Find the values of x and y

B1 Find the values of x and y

B2 Find the values of x and y

B3 Find the values of x, y and z

B4 Find the values of x, y and z
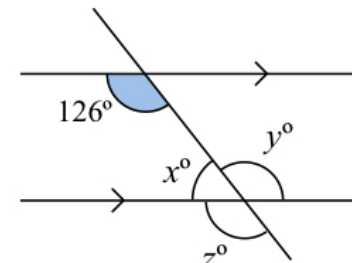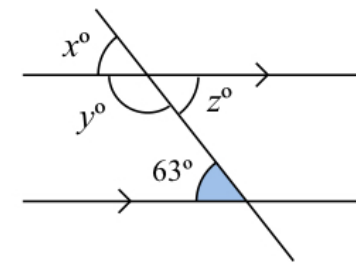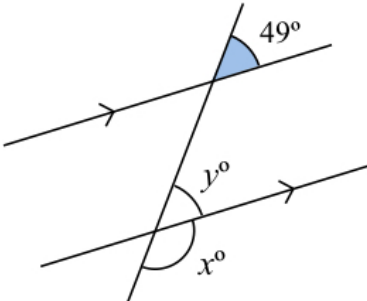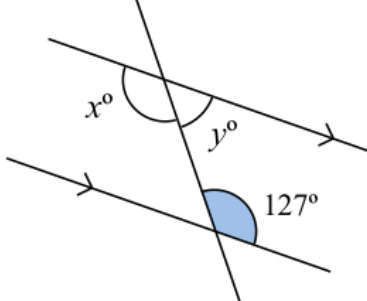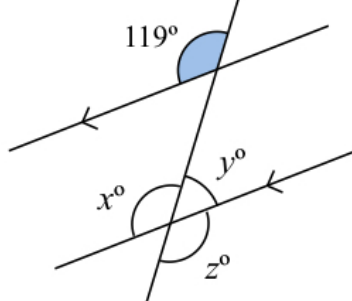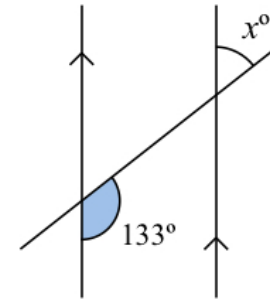

C1 Find the values of x and y
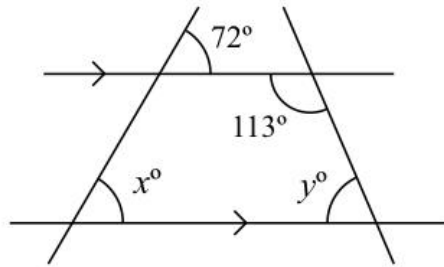

C2 Find the values of x and y

C3 Find the values of x, y and z

C4 Find the value of x

A1 Find the values of *x* and *y*

72°
113°
x°
y°

A2 Find the values of *x* and *y*

x°
64°
y°
76°

A3 Find the values of *x* and *y*

83°
y°
71°
x°

A4 Find the values of *x*, *y*, *w* and *z*

53°
w°
x°
y°
z°

B1 Find the value of *x*

x°
105°
54°

B2 Find the value of *x*

48°
x°
73°

B3 Find the value of *x*

x°
127°
55°

B4 Find the values of *x* and *y*

x°
y°
142°
101°

C1 Find the values of *x* and *y*

73°
34°
x°
y°

C2 Find the value of *x*

65°
x°
121°

C3 Find the value of *x*

133°
x°
143°
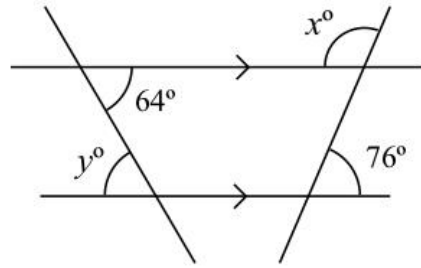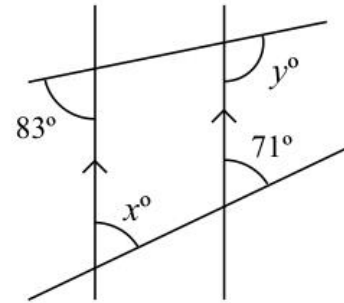
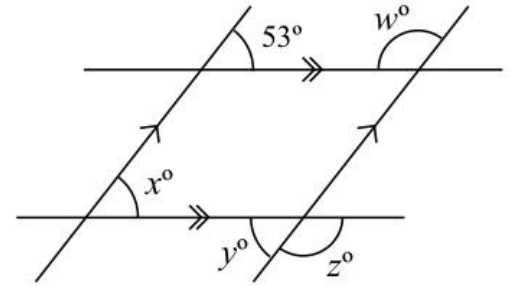**C4** Find the value of *x*

327°
x°
71°

A1 Find the value of x

A2 Find the values of x and y

A3 Find the values of x and y

A4 Find the value of x

A1 diagram:
75°, x°, 33°

A2 diagram:
336°, x°, 19°, y°

A3 diagram:
y°, x°, 54°
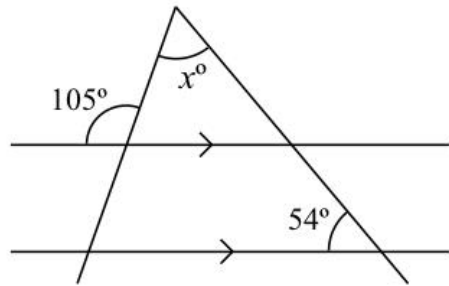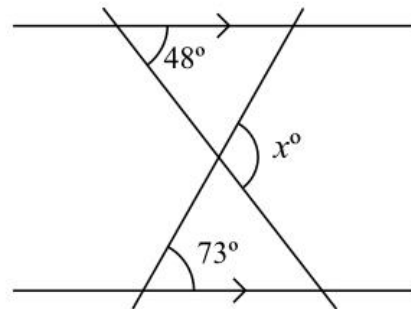
A4 diagram:
32°, x°, 22°

B1 Find the values of x and y

B2 Find the values of x and y

B3 Find the values of x and y

B4 Find the values of x and y

B1 diagram:
$3x^\circ$, $x + 20^\circ$, $2x^\circ$, y°

B2 diagram:
y°, $2x - 35^\circ$, $x + 5^\circ$

B3 diagram:
46°, y°, $3x^\circ$, x°

B4 diagram:
x°, 115°, y°, $x - 10^\circ$

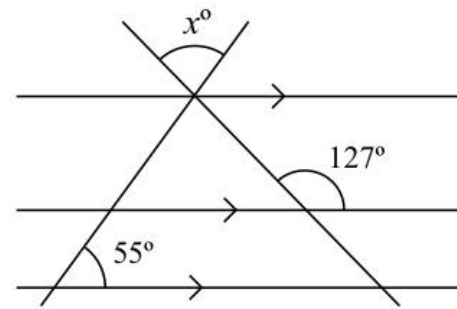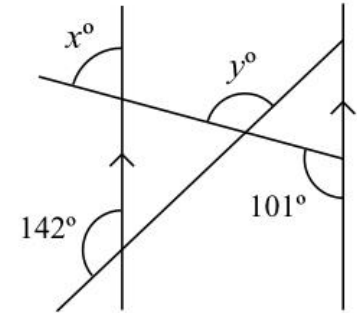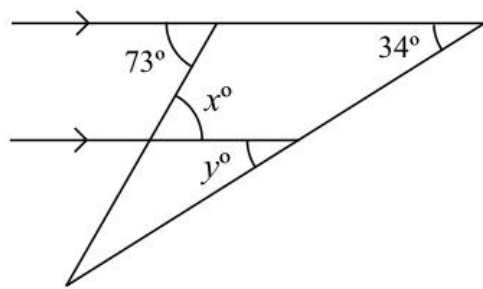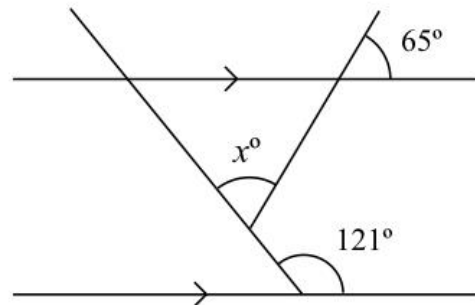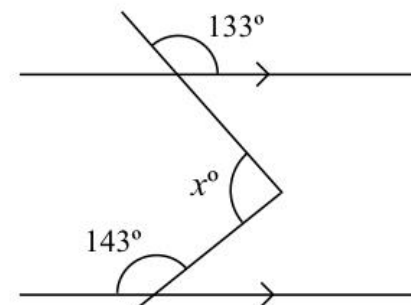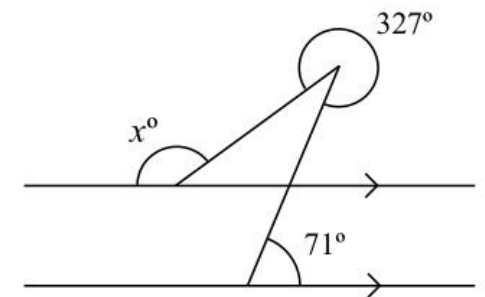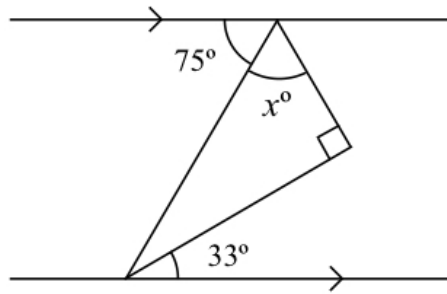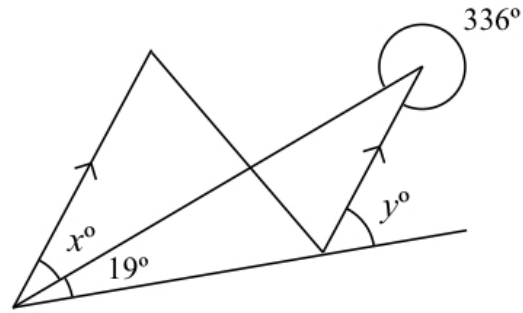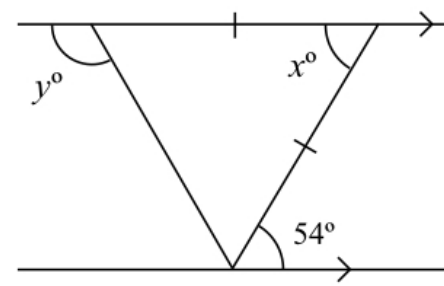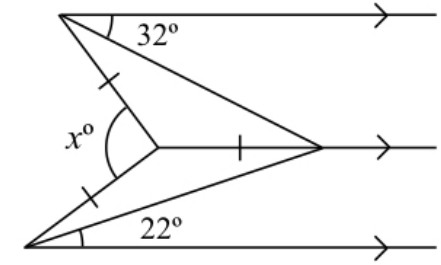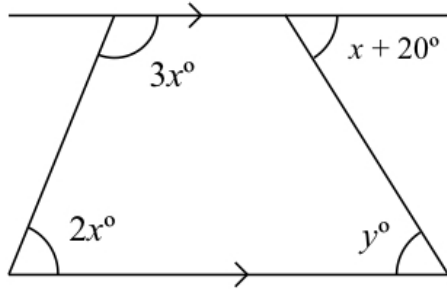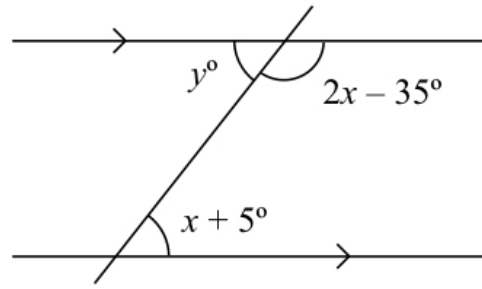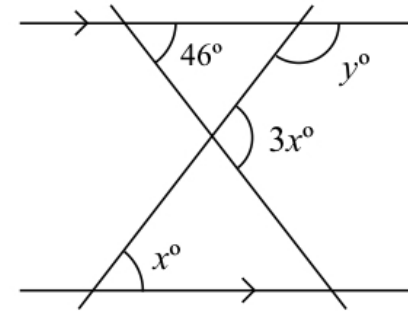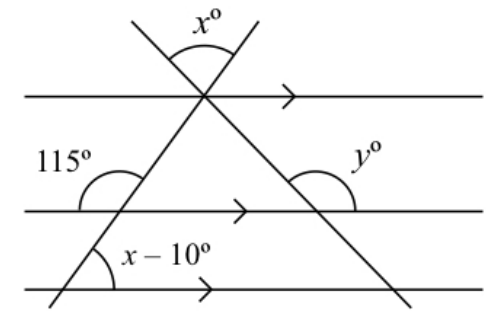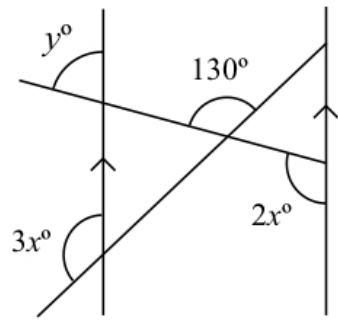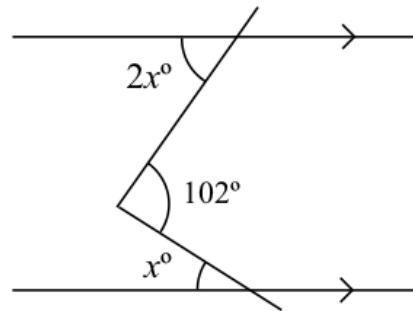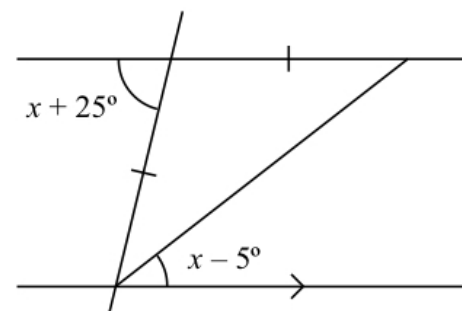**C1** Find the values of x and y

C2 Find the value of x

C3 Find the value of x

C4 Find the value of x

C1 diagram:
y°, 130°, $2x^\circ$, $3x^\circ$

C2 diagram:
$2x^\circ$, 102°, x°

C3 diagram:
$x + 25^\circ$, $x - 5^\circ$

C4 diagram:
$4x^\circ$, $2x^\circ$, 66°