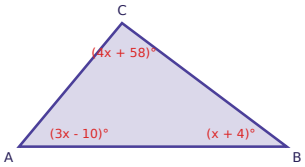
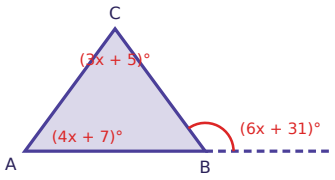
Triangle Angle Sum & Exterior Angles · 1

The angles of a triangle are (3x - 10)°, (x + 4)°, (4x + 58)°. Find x.



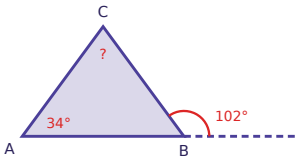
Triangle Angle Sum & Exterior Angles · 2

The angle at A is (4x + 7)°, the angle at C is (3x + 5)°, and the exterior angle at B is (6x + 31)°. Find x.



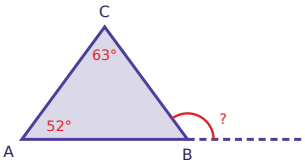
Triangle Angle Sum & Exterior Angles · 3

The exterior angle at B is shown. Find the measure of the angle at C.



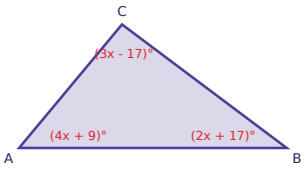
Triangle Angle Sum & Exterior Angles · 4

Find the measure of the exterior angle at B.



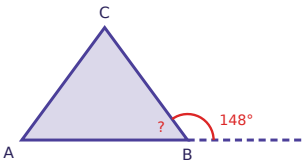
Triangle Angle Sum & Exterior Angles · 5

The angles of a triangle are (4x + 9)°, (2x + 17)°, (3x - 17)°. Find x.



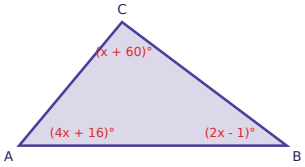
Triangle Angle Sum & Exterior Angles · 6

Find the measure of the interior angle at B.



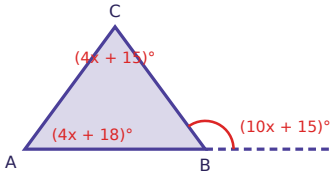
Triangle Angle Sum & Exterior Angles · 7

The angles of a triangle are (4x + 16)°, (2x - 1)°, (x + 60)°. Find x.



Triangle Angle Sum & Exterior Angles · 8

The angle at A is (4x + 18)°, the angle at C is (4x + 15)°, and the exterior angle at B is (10x + 15)°. Find x.



Triangle Angle Sum & Exterior Angles · 2

ANSWER

$x = 19$

Triangle Angle Sum & Exterior Angles · 1

ANSWER

$x = 16$

Triangle Angle Sum & Exterior Angles · 4

ANSWER

115

Triangle Angle Sum & Exterior Angles · 3

ANSWER

68

Triangle Angle Sum & Exterior Angles · 6

ANSWER

32

Triangle Angle Sum & Exterior Angles · 5

ANSWER

$x = 19$

Triangle Angle Sum & Exterior Angles · 8

ANSWER

$x = 9$

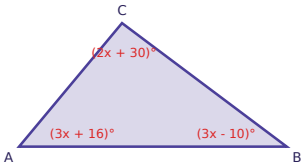
Triangle Angle Sum & Exterior Angles · 7

ANSWER

$x = 15$

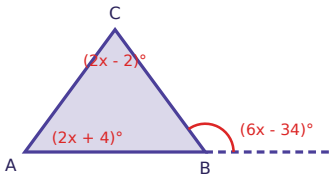
Triangle Angle Sum & Exterior Angles · 9

The angles of a triangle are (3x + 16)°, (3x - 10)°, (2x + 30)°. Find x.



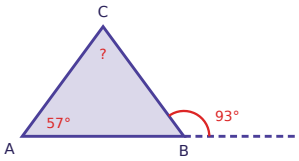
Triangle Angle Sum & Exterior Angles · 10

The angle at A is (2x + 4)°, the angle at C is (2x - 2)°, and the exterior angle at B is (6x - 34)°. Find x.



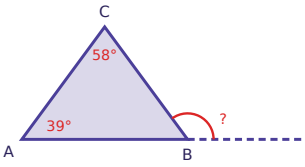
Triangle Angle Sum & Exterior Angles · 11

The exterior angle at B is shown. Find the measure of the angle at C.



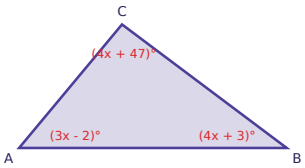
Triangle Angle Sum & Exterior Angles · 12

Find the measure of the exterior angle at B.



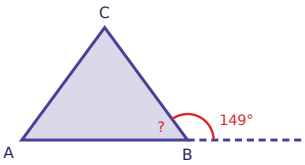
Triangle Angle Sum & Exterior Angles · 13

The angles of a triangle are (3x - 2)°, (4x + 3)°, (4x + 47)°. Find x.



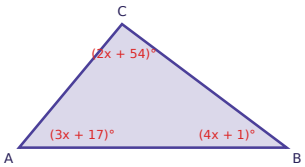
Triangle Angle Sum & Exterior Angles · 14

Find the measure of the interior angle at B.



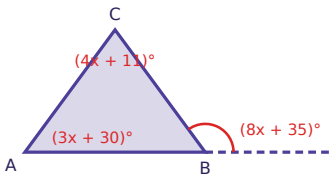
Triangle Angle Sum & Exterior Angles · 15

The angles of a triangle are (3x + 17)°, (4x + 1)°, (2x + 54)°. Find x.



Triangle Angle Sum & Exterior Angles · 16

The angle at A is (3x + 30)°, the angle at C is (4x + 11)°, and the exterior angle at B is (8x + 35)°. Find x.



Triangle Angle Sum & Exterior Angles · 10

ANSWER

$x = 18$

Triangle Angle Sum & Exterior Angles · 9

ANSWER

$x = 18$

Triangle Angle Sum & Exterior Angles · 12

ANSWER

97

Triangle Angle Sum & Exterior Angles · 11

ANSWER

36

Triangle Angle Sum & Exterior Angles · 14

ANSWER

31

Triangle Angle Sum & Exterior Angles · 13

ANSWER

$x = 12$

Triangle Angle Sum & Exterior Angles · 16

ANSWER

$x = 6$

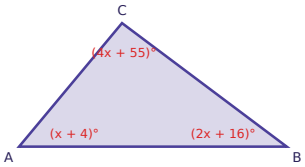
Triangle Angle Sum & Exterior Angles · 15

ANSWER

$x = 12$

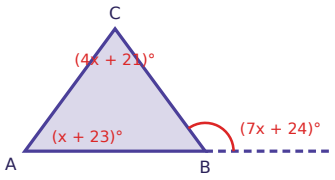
Triangle Angle Sum & Exterior Angles · 17

The angles of a triangle are (x + 4)°, (2x + 16)°, (4x + 55)°. Find x.



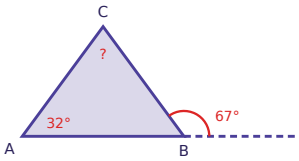
Triangle Angle Sum & Exterior Angles · 18

The angle at A is (x + 23)°, the angle at C is (4x + 21)°, and the exterior angle at B is (7x + 24)°. Find x.



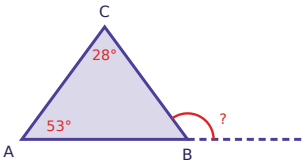
Triangle Angle Sum & Exterior Angles · 19

The exterior angle at B is shown. Find the measure of the angle at C.



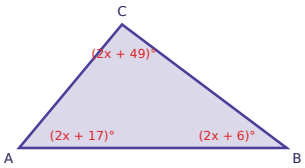
Triangle Angle Sum & Exterior Angles · 20

Find the measure of the exterior angle at B.



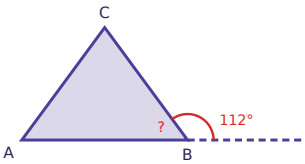
Triangle Angle Sum & Exterior Angles · 21

The angles of a triangle are (2x + 17)°, (2x + 6)°, (2x + 49)°. Find x.



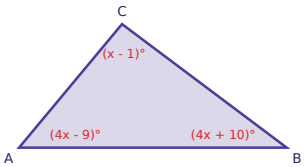
Triangle Angle Sum & Exterior Angles · 22

Find the measure of the interior angle at B.



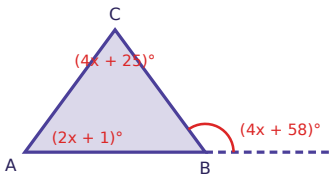
Triangle Angle Sum & Exterior Angles · 23

The angles of a triangle are (4x - 9)°, (4x + 10)°, (x - 1)°. Find x.



Triangle Angle Sum & Exterior Angles · 24

The angle at A is (2x + 1)°, the angle at C is (4x + 25)°, and the exterior angle at B is (4x + 58)°. Find x.



Triangle Angle Sum & Exterior Angles · 18

ANSWER

x = 10

Triangle Angle Sum & Exterior Angles · 17

ANSWER

x = 15

Triangle Angle Sum & Exterior Angles · 20

ANSWER

81

Triangle Angle Sum & Exterior Angles · 19

ANSWER

35

Triangle Angle Sum & Exterior Angles · 22

ANSWER

68

Triangle Angle Sum & Exterior Angles · 21

ANSWER

x = 18

Triangle Angle Sum & Exterior Angles · 24

ANSWER

x = 16

Triangle Angle Sum & Exterior Angles · 23

ANSWER

x = 20