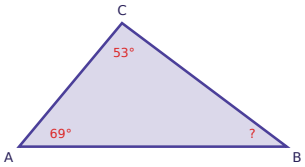
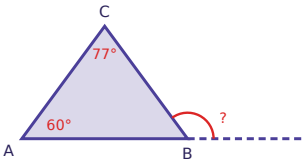
Triangle Angle Sum & Exterior Angles · 1

Two angles of a triangle measure 69° and 53°. Find the third angle.



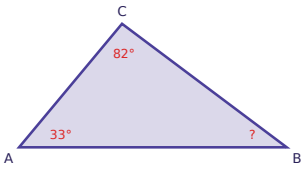
Triangle Angle Sum & Exterior Angles · 2

Find the measure of the exterior angle at B.



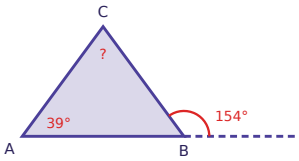
Triangle Angle Sum & Exterior Angles · 3

Two angles of a triangle measure 33° and 82°. Find the third angle.



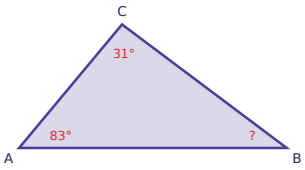
Triangle Angle Sum & Exterior Angles · 4

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



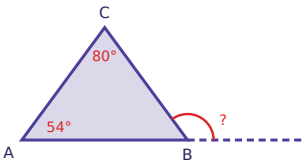
Triangle Angle Sum & Exterior Angles · 5

Two angles of a triangle measure 83° and 31°. Find the third angle.



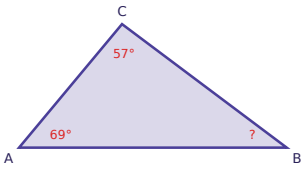
Triangle Angle Sum & Exterior Angles · 6

Find the measure of the exterior angle at B.



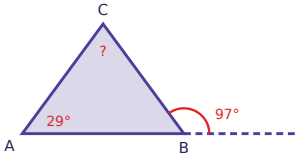
Triangle Angle Sum & Exterior Angles · 7

Two angles of a triangle measure 69° and 57°. Find the third angle.



Triangle Angle Sum & Exterior Angles · 8

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



Triangle Angle Sum & Exterior Angles · 2

ANSWER

137

Triangle Angle Sum & Exterior Angles · 1

ANSWER

58

Triangle Angle Sum & Exterior Angles · 4

ANSWER

115

Triangle Angle Sum & Exterior Angles · 3

ANSWER

65

Triangle Angle Sum & Exterior Angles · 6

ANSWER

134

Triangle Angle Sum & Exterior Angles · 5

ANSWER

66

Triangle Angle Sum & Exterior Angles · 8

ANSWER

68

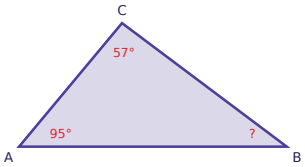
Triangle Angle Sum & Exterior Angles · 7

ANSWER

54

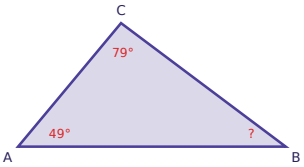
Triangle Angle Sum & Exterior Angles · 9

Two angles of a triangle measure 95° and 57°. Find the third angle.



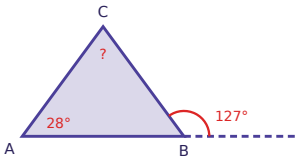
Triangle Angle Sum & Exterior Angles · 10

Two angles of a triangle measure 49° and 79°. Find the third angle.



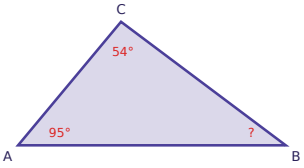
Triangle Angle Sum & Exterior Angles · 11

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



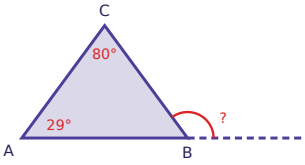
Triangle Angle Sum & Exterior Angles · 12

Two angles of a triangle measure 95° and 54°. Find the third angle.



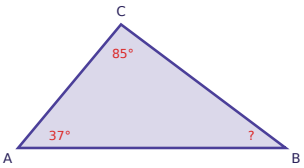
Triangle Angle Sum & Exterior Angles · 13

Find the measure of the exterior angle at B.



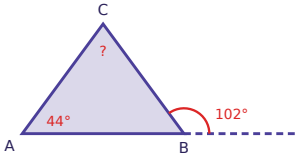
Triangle Angle Sum & Exterior Angles · 14

Two angles of a triangle measure 37° and 85°. Find the third angle.



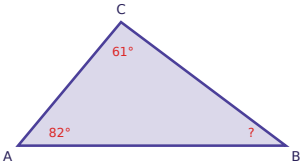
Triangle Angle Sum & Exterior Angles · 15

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



Triangle Angle Sum & Exterior Angles · 16

Two angles of a triangle measure 82° and 61°. Find the third angle.



Triangle Angle Sum & Exterior Angles · 10

ANSWER

52

Triangle Angle Sum & Exterior Angles · 9

ANSWER

28

Triangle Angle Sum & Exterior Angles · 12

ANSWER

31

Triangle Angle Sum & Exterior Angles · 11

ANSWER

99

Triangle Angle Sum & Exterior Angles · 14

ANSWER

58

Triangle Angle Sum & Exterior Angles · 13

ANSWER

109

Triangle Angle Sum & Exterior Angles · 16

ANSWER

37

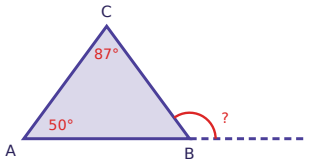
Triangle Angle Sum & Exterior Angles · 15

ANSWER

58

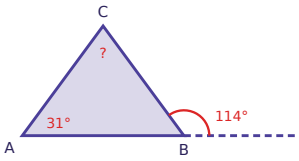
Triangle Angle Sum & Exterior Angles · 17

Find the measure of the exterior angle at B.



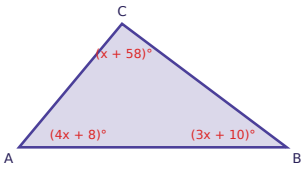
Triangle Angle Sum & Exterior Angles · 18

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



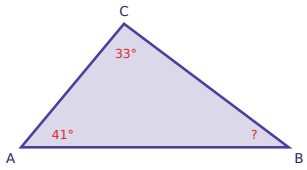
Triangle Angle Sum & Exterior Angles · 19

The angles of a triangle are (4x + 8)°, (3x + 10)°, (x + 58)°. Find x.



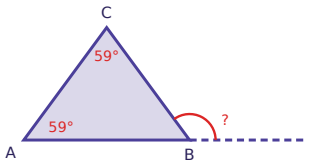
Triangle Angle Sum & Exterior Angles · 20

Two angles of a triangle measure 41° and 33°. Find the third angle.



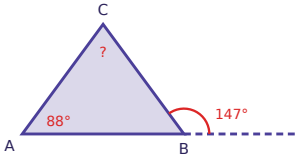
Triangle Angle Sum & Exterior Angles · 21

Find the measure of the exterior angle at B.



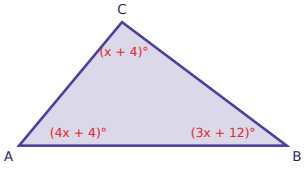
Triangle Angle Sum & Exterior Angles · 22

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



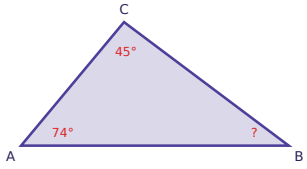
Triangle Angle Sum & Exterior Angles · 23

The angles of a triangle are (4x + 4)°, (3x + 12)°, (x + 4)°. Find x.



Triangle Angle Sum & Exterior Angles · 24

Two angles of a triangle measure 74° and 45°. Find the third angle.



Triangle Angle Sum & Exterior Angles · 18

ANSWER

83

Triangle Angle Sum & Exterior Angles · 17

ANSWER

137

Triangle Angle Sum & Exterior Angles · 20

ANSWER

106

Triangle Angle Sum & Exterior Angles · 19

ANSWER

x = 13

Triangle Angle Sum & Exterior Angles · 22

ANSWER

59

Triangle Angle Sum & Exterior Angles · 21

ANSWER

118

Triangle Angle Sum & Exterior Angles · 24

ANSWER

61

Triangle Angle Sum & Exterior Angles · 23

ANSWER

x = 20