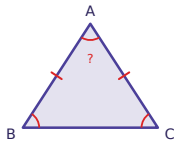
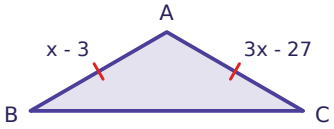
Isosceles & Equilateral Triangles · 1

In isosceles △ABC, AB = AC, m∠B = (7x - 27)° and m∠C = (6x - 15)°. Find m∠A.



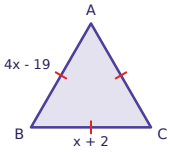
Isosceles & Equilateral Triangles · 2

In △ABC, AB = AC. AB = x - 3 and AC = 3x - 27. Find AB.



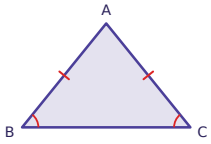
Isosceles & Equilateral Triangles · 3

△ABC is equilateral with AB = 4x - 19 and BC = x + 2. Find the perimeter of △ABC.



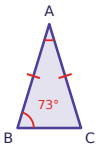
Isosceles & Equilateral Triangles · 4

In isosceles △ABC, AB = AC, m∠B = (3x + 33)° and m∠C = (6x + 15)°. Find x.



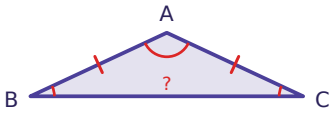
Isosceles & Equilateral Triangles · 5

In isosceles △ABC, AB = AC, m∠A = (5x - 26)° and m∠B = 73°. Find x.



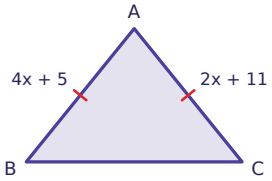
Isosceles & Equilateral Triangles · 6

In isosceles △ABC, AB = AC, m∠B = (5x - 5)° and m∠C = (3x + 7)°. Find m∠A.



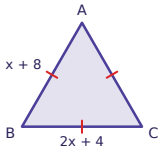
Isosceles & Equilateral Triangles · 7

In △ABC, AB = AC. AB = 4x + 5 and AC = 2x + 11. Find AB.



Isosceles & Equilateral Triangles · 8

△ABC is equilateral with AB = x + 8 and BC = 2x + 4. Find the perimeter of △ABC.



Isosceles & Equilateral Triangles · 2

ANSWER

9

Isosceles & Equilateral Triangles · 1

ANSWER

66°

Isosceles & Equilateral Triangles · 4

ANSWER

6

Isosceles & Equilateral Triangles · 3

ANSWER

27

Isosceles & Equilateral Triangles · 6

ANSWER

130°

Isosceles & Equilateral Triangles · 5

ANSWER

12

Isosceles & Equilateral Triangles · 8

ANSWER

36

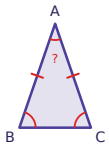
Isosceles & Equilateral Triangles · 7

ANSWER

17

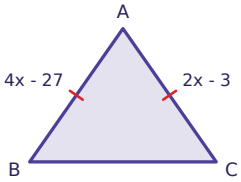
Isosceles & Equilateral Triangles · 9

In isosceles △ABC, AB = AC, m∠B = (6x + 23)° and m∠C = (7x + 15)°. Find m∠A.



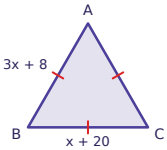
Isosceles & Equilateral Triangles · 10

In △ABC, AB = AC. AB = 4x - 27 and AC = 2x - 3. Find AB.



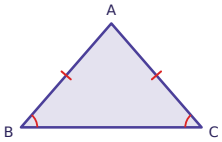
Isosceles & Equilateral Triangles · 11

△ABC is equilateral with AB = 3x + 8 and BC = x + 20. Find the perimeter of △ABC.



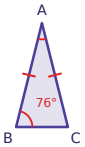
Isosceles & Equilateral Triangles · 12

In isosceles △ABC, AB = AC, m∠B = (5x + 4)° and m∠C = (7x - 14)°. Find x.



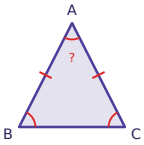
Isosceles & Equilateral Triangles · 13

In isosceles △ABC, AB = AC, m∠A = (5x - 12)° and m∠B = 76°. Find x.



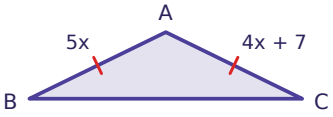
Isosceles & Equilateral Triangles · 14

In isosceles △ABC, AB = AC, m∠B = (6x + 45)° and m∠C = (7x + 42)°. Find m∠A.



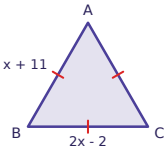
Isosceles & Equilateral Triangles · 15

In △ABC, AB = AC. AB = 5x and AC = 4x + 7. Find AB.



Isosceles & Equilateral Triangles · 16

△ABC is equilateral with AB = x + 11 and BC = 2x - 2. Find the perimeter of △ABC.



Isosceles & Equilateral Triangles · 10

ANSWER

21

Isosceles & Equilateral Triangles · 9

ANSWER

38°

Isosceles & Equilateral Triangles · 12

ANSWER

9

Isosceles & Equilateral Triangles · 11

ANSWER

78

Isosceles & Equilateral Triangles · 14

ANSWER

54°

Isosceles & Equilateral Triangles · 13

ANSWER

8

Isosceles & Equilateral Triangles · 16

ANSWER

72

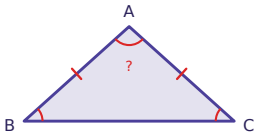
Isosceles & Equilateral Triangles · 15

ANSWER

35

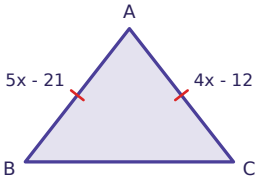
Isosceles & Equilateral Triangles · 17

In isosceles △ABC, AB = AC, m∠B = (5x - 13)° and m∠C = (4x - 2)°. Find m∠A.



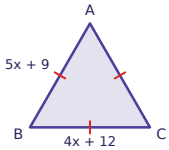
Isosceles & Equilateral Triangles · 18

In △ABC, AB = AC. AB = 5x - 21 and AC = 4x - 12. Find AB.



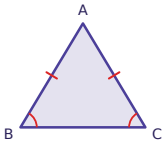
Isosceles & Equilateral Triangles · 19

△ABC is equilateral with AB = 5x + 9 and BC = 4x + 12. Find the perimeter of △ABC.



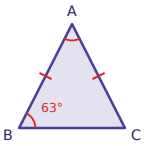
Isosceles & Equilateral Triangles · 20

In isosceles △ABC, AB = AC, m∠B = (2x + 41)° and m∠C = (7x - 4)°. Find x.



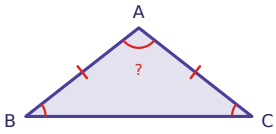
Isosceles & Equilateral Triangles · 21

In isosceles △ABC, AB = AC, m∠A = (4x + 30)° and m∠B = 63°. Find x.



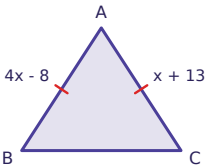
Isosceles & Equilateral Triangles · 22

In isosceles △ABC, AB = AC, m∠B = (3x + 11)° and m∠C = (x + 29)°. Find m∠A.



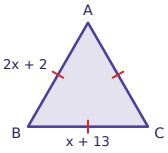
Isosceles & Equilateral Triangles · 23

In △ABC, AB = AC. AB = 4x - 8 and AC = x + 13. Find AB.



Isosceles & Equilateral Triangles · 24

△ABC is equilateral with AB = 2x + 2 and BC = x + 13. Find the perimeter of △ABC.



Isosceles & Equilateral Triangles · 18

ANSWER

24

Isosceles & Equilateral Triangles · 17

ANSWER

96°

Isosceles & Equilateral Triangles · 20

ANSWER

9

Isosceles & Equilateral Triangles · 19

ANSWER

72

Isosceles & Equilateral Triangles · 22

ANSWER

104°

Isosceles & Equilateral Triangles · 21

ANSWER

6

Isosceles & Equilateral Triangles · 24

ANSWER

72

Isosceles & Equilateral Triangles · 23

ANSWER

20