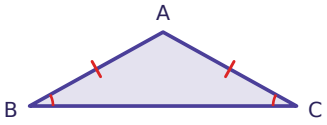
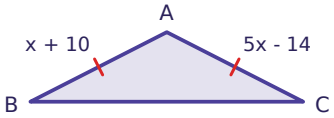
Isosceles & Equilateral Triangles · 1

In isosceles △ABC, AB = AC, m∠B = (7x - 13)° and m∠C = (4x + 5)°. Find x.



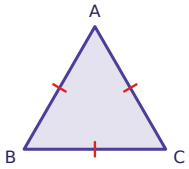
Isosceles & Equilateral Triangles · 2

In △ABC, AB = AC. AB = x + 10 and AC = 5x - 14. Find x.



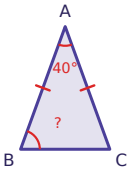
Isosceles & Equilateral Triangles · 3

△ABC is equilateral and m∠B = (5x + 25)°. Find x.



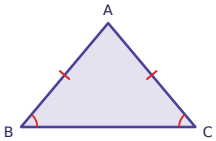
Isosceles & Equilateral Triangles · 4

△ABC is isosceles with AB = AC and m∠A = 40°. Find m∠B.



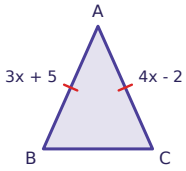
Isosceles & Equilateral Triangles · 5

In isosceles △ABC, AB = AC, m∠B = (4x + 10)° and m∠C = (x + 40)°. Find x.



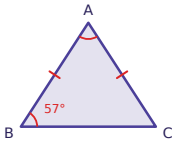
Isosceles & Equilateral Triangles · 6

In △ABC, AB = AC. AB = 3x + 5 and AC = 4x - 2. Find x.



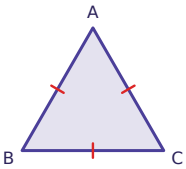
Isosceles & Equilateral Triangles · 7

In isosceles △ABC, AB = AC, m∠A = (7x + 24)° and m∠B = 57°. Find x.



Isosceles & Equilateral Triangles · 8

△ABC is equilateral and m∠B = (4x + 44)°. Find x.



Isosceles & Equilateral Triangles · 2

ANSWER

6

Isosceles & Equilateral Triangles · 1

ANSWER

6

Isosceles & Equilateral Triangles · 4

ANSWER

70°

Isosceles & Equilateral Triangles · 3

ANSWER

7

Isosceles & Equilateral Triangles · 6

ANSWER

7

Isosceles & Equilateral Triangles · 5

ANSWER

10

Isosceles & Equilateral Triangles · 8

ANSWER

4

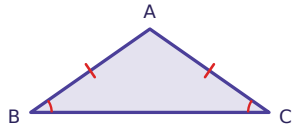
Isosceles & Equilateral Triangles · 7

ANSWER

6

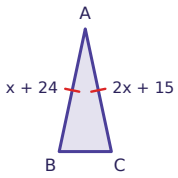
Isosceles & Equilateral Triangles · 9

In isosceles △ABC, AB = AC, m∠B = (3x + 14)° and m∠C = (7x - 14)°. Find x.



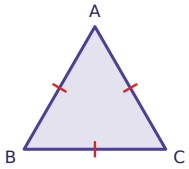
Isosceles & Equilateral Triangles · 10

In △ABC, AB = AC. AB = x + 24 and AC = 2x + 15. Find x.



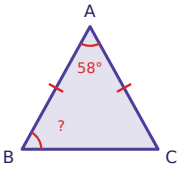
Isosceles & Equilateral Triangles · 11

△ABC is equilateral and m∠B = (6x + 36)°. Find x.



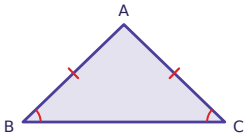
Isosceles & Equilateral Triangles · 12

△ABC is isosceles with AB = AC and m∠A = 58°. Find m∠B.



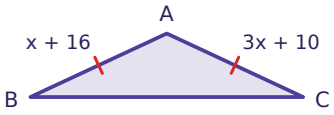
Isosceles & Equilateral Triangles · 13

In isosceles △ABC, AB = AC, m∠B = (x + 35)° and m∠C = (2x + 26)°. Find x.



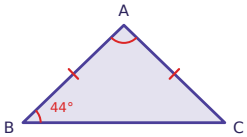
Isosceles & Equilateral Triangles · 14

In △ABC, AB = AC. AB = x + 16 and AC = 3x + 10. Find x.



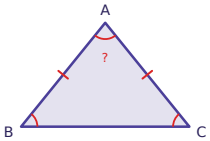
Isosceles & Equilateral Triangles · 15

In isosceles △ABC, AB = AC, m∠A = (13x + 14)° and m∠B = 44°. Find x.



Isosceles & Equilateral Triangles · 16

In isosceles △ABC, AB = AC, m∠B = (2x + 29)° and m∠C = (6x - 15)°. Find m∠A.



Isosceles & Equilateral Triangles · 10

ANSWER

9

Isosceles & Equilateral Triangles · 9

ANSWER

7

Isosceles & Equilateral Triangles · 12

ANSWER

61°

Isosceles & Equilateral Triangles · 11

ANSWER

4

Isosceles & Equilateral Triangles · 14

ANSWER

3

Isosceles & Equilateral Triangles · 13

ANSWER

9

Isosceles & Equilateral Triangles · 16

ANSWER

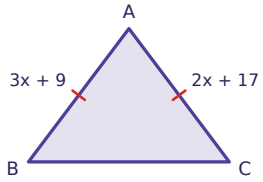
78°

Isosceles & Equilateral Triangles · 15

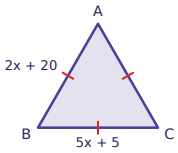
ANSWER

6

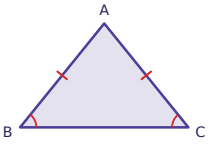
In △ABC, AB = AC. AB = 3x + 9 and AC = 2x + 17. Find AB.



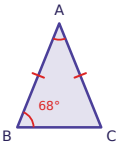
△ABC is equilateral with AB = 2x + 20 and BC = 5x + 5. Find the perimeter of △ABC.



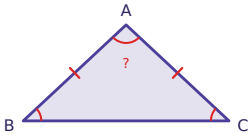
In isosceles △ABC, AB = AC, m∠B = (5x + 36)° and m∠C = (6x + 33)°. Find x.



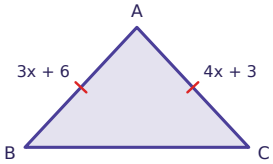
In isosceles △ABC, AB = AC, m∠A = (2x + 38)° and m∠B = 68°. Find x.



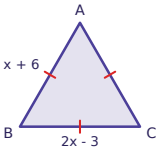
In isosceles △ABC, AB = AC, m∠B = (7x - 6)° and m∠C = (2x + 29)°. Find m∠A.



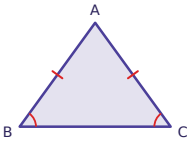
In △ABC, AB = AC. AB = 3x + 6 and AC = 4x + 3. Find AB.



△ABC is equilateral with AB = x + 6 and BC = 2x - 3. Find the perimeter of △ABC.



In isosceles △ABC, AB = AC, m∠B = (7x - 9)° and m∠C = (2x + 36)°. Find x.



Isosceles & Equilateral Triangles · 18

ANSWER

90

Isosceles & Equilateral Triangles · 17

ANSWER

33

Isosceles & Equilateral Triangles · 20

ANSWER

3

Isosceles & Equilateral Triangles · 19

ANSWER

3

Isosceles & Equilateral Triangles · 22

ANSWER

15

Isosceles & Equilateral Triangles · 21

ANSWER

94°

Isosceles & Equilateral Triangles · 24

ANSWER

9

Isosceles & Equilateral Triangles · 23

ANSWER

45