(1)

Find the perimeter of the triangle when x is $13°$.

(2)

Find the area of the triangle when x is $23°$.

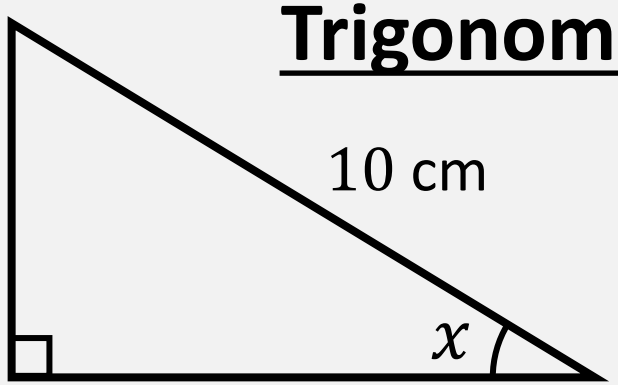
(3)

Find a value of x that makes the perimeter of the triangle 22.4 cm.

(8)

For what values of x is the triangle's area (in cm^2) greater than its perimeter (in cm)?

Trigonometry



(4)

Find a value of x that makes the area of the triangle 14 cm^2.

(7)

Find the greatest possible perimeter that the triangle can have.

(6)

Find the greatest possible area that the triangle can have.

(5)

Find the area of the triangle when the perimeter is 24 cm.

(1)

Find the perimeter of the triangle when x is $13°$.

22 cm

(2)

Find the area of the triangle when x is $23°$.

18 cm^2

(3)

Find a value of x that makes the perimeter of the triangle 22.4 cm.

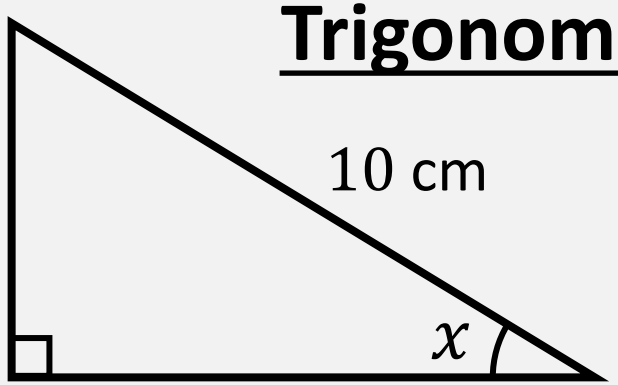
$16.3°$ or $73.7°$

(8)

For what values of x is the triangle's area (in cm^2) greater than its perimeter (in cm)?

$36.9° < x < 53.1°$

Trigonometry



(4)

Find a value of x that makes the area of the triangle 14 cm^2.

$17.0°$ or $73.0°$

(7)

Find the greatest possible perimeter that the triangle can have.

24.1 cm, when $x = 45°$

(6)

Find the greatest possible area that the triangle can have.

25 cm^2, when $x = 45°$

(5)

Find the area of the triangle when the perimeter is 24 cm.

24 cm