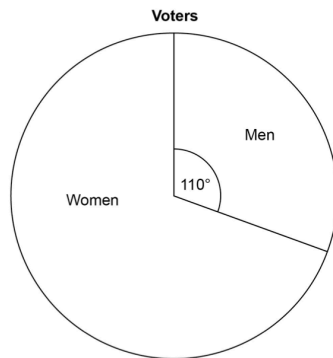


Q1. (2017)

- 10 The pie chart shows information about voters in an election.



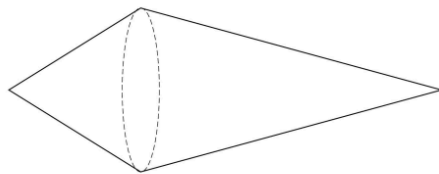
3360 **more** women voted than men.

Work out the total number of voters.

[3 marks]

Q2. (2019)

- 21 A solid shape is made by joining two cones.
Each cone has the same radius.



One cone has slant height = $2 \times \text{radius}$

The other cone has slant height = $3 \times \text{radius}$

The total surface area of the shape is $57.8\pi \text{ cm}^2$

Curved surface area of a cone = $\pi r l$ where r is the radius and l is the slant height

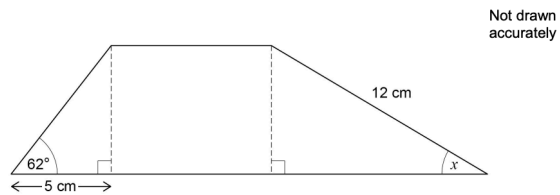
Work out the radius.

[3 marks]

Answer _____ cm

Q3. (2020)

- 18 This shape is made from two right-angled triangles and a rectangle.



Work out the size of angle x .

[4 marks]

Answer _____ degrees

Q4. (2023)

- 16 Line A

has equation $y = ax - 1$

passes through the point (7, 13)

Line B has equation $5y - 3x = 4$

Show that line A has a greater gradient than line B.

[3 marks]