Round all answers to an appropriate degree of accuracy unless specifically stated

1a. Factorise
$$x^2 + 3x - 18$$

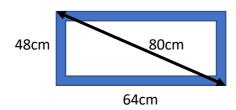
$$\frac{x^2 + 3x - 18}{2x^2 - 18}$$

2. Simplify
$$3\sqrt{3} + \sqrt{12} + \sqrt{48}$$

- 3. Find the equation of the line with a gradient of 4 passing through the point (3,-4)
- 4. The sector shown below has an area of 922 cm². If the radius is 23cm, calculate the angle x° at the centre.



5. James has been making a rectangular picture frame. It is shown in the diagram. Check if the frame is in fact rectangular.



- 6. House prices decreased this year by 14% on last years price. Last year, the average price was £98 500. Calculate the average cost this year.
 - Round your answer to the nearest £100.