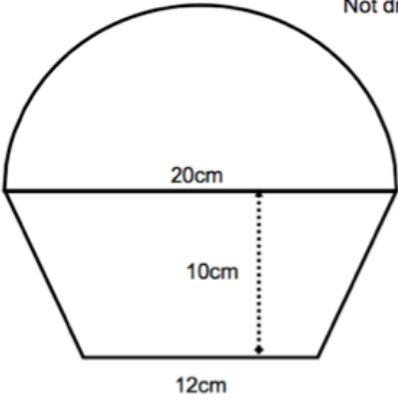


Name: _____

July 29	5-a-day	Higher
Solve $y^2 - 7y - 18 = 0$	Solve $y^2 - 49 = 0$	
<p>Shown is a logo.</p> <p style="text-align: right;">Not drawn accurately</p>  <p>The diagram shows a logo with a semi-circular top and a trapezoidal bottom. The top horizontal edge of the trapezium is labeled 20cm. The bottom horizontal edge is labeled 12cm. A vertical dashed line from the top edge to the bottom edge is labeled 10cm. The text 'Not drawn accurately' is written to the right of the diagram.</p>	Calculate the area of the logo.	
<p>There are 20 students in class 1. There are 10 students in class 2.</p> <p>Both classes sit the same test.</p> <p>The mean mark in class 1 is 64%. The mean mark for all 30 students is 60%</p>	Simplify $2\sqrt{3} \times 3\sqrt{300}$	
Prove $(4n + 1)^2 - (2n - 3)$ is always even.	Work out the mean mark in class 2.	