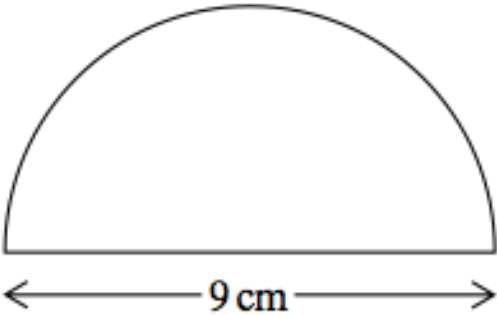
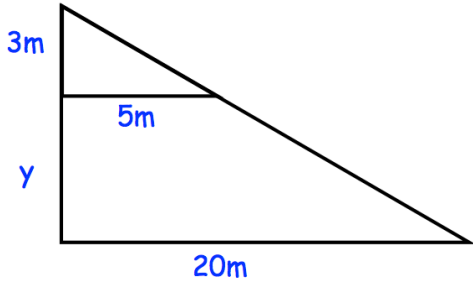
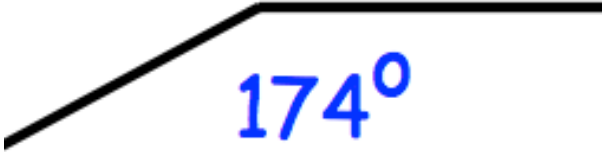


Name: \_\_\_\_\_

October 30	5-a-day	Higher
<p>Solve:</p> $3(4x - 9) = 2x + 30$		
 <p>A diagram of a semicircle. Below the flat base, there is a double-headed arrow labeled "9 cm" indicating the diameter.</p>	Calculate the area	
 <p>A right-angled triangle with a vertical side on the left and a horizontal base. The top-left vertical segment is labeled "3m". A horizontal line segment from the vertical side to the hypotenuse is labeled "5m". The bottom horizontal base is labeled "20m". The lower vertical segment is labeled "y".</p>	Find y	
<p>The speed of a particle is <math>8.2 \times 10^5</math> m/s</p> <p>How far does it travel in a day?</p>		Give your answer in kilometres and in standard form.
 <p>A diagram showing two adjacent sides of a polygon meeting at an interior angle. The angle is labeled "174°".</p>		Shown is part of a regular polygon. How many sides does it have?