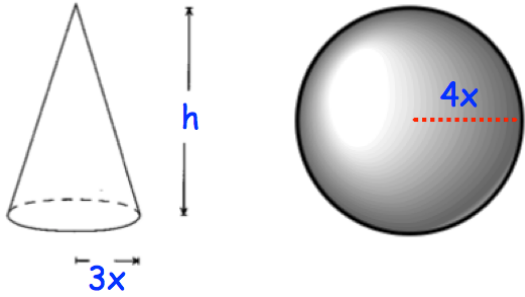


Name: _____

September 29	5-a-day	Higher
<p>Expand and simplify</p> $(w + 5)(w - 6)$	<p>Factorise completely</p> $4a^2 - 8a$	
<p>Write 0.00000092 in standard form.</p>	<p>Write 150×10^6 in standard form.</p>	
<p>A circle has circumference 80cm.</p> <p>Find the area.</p>		
<p>Where does the line $y = 2x + 5$ cross the x-axis?</p>	<p>The volume of the cone and sphere are equal.</p> <p>Find an expression for h in terms of x.</p>	
 <p>The diagram shows a cone on the left and a sphere on the right. The cone's radius is labeled as $3x$ and its height as h. The sphere's radius is labeled as $4x$.</p>		