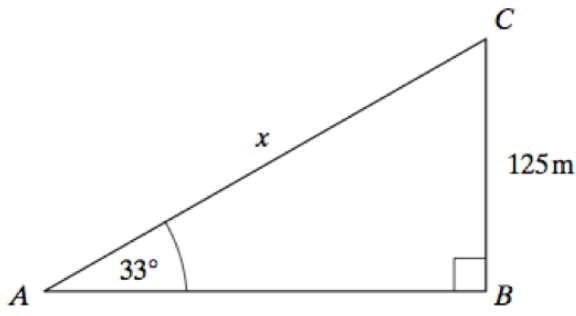
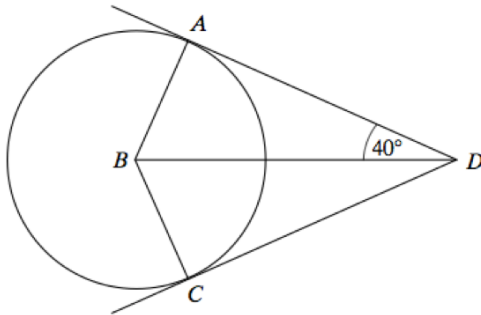


Name: _____

February 25th	5-a-day	Higher
 <p>A right-angled triangle with vertices A, B, and C. The right angle is at vertex B. The angle at vertex A is labeled 33°. The vertical side BC is labeled 125m. The hypotenuse AC is labeled x.</p>	Calculate x	
<p>Simplify</p> $(5xy^2)^3$		
 <p>A circle with center B. Points A and C are on the circumference. A point D is outside the circle. Lines BA, BC, DA, and DC are drawn. The angle BDC is labeled 40°.</p>	What size is angle ABC?	
<p>Simplify $\sqrt{27}$</p> <p>Simplify $\sqrt{300}$</p>	Work out $\sqrt{27} + \sqrt{300}$	
<p>Find a and b such that:</p> $x^2 - 8x + 20 = (x - a)^2 + b$		