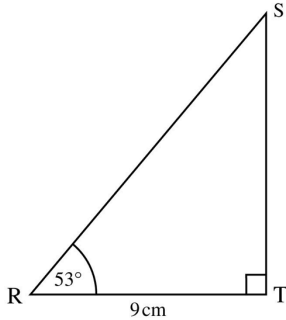


Name: _____

March 30th	5-a-day	Higher																
<p>Work out</p> <p>4^0</p>	<p>Work out</p> <p>4^{-2}</p>																	
<table border="1"> <thead> <tr> <th>Expression</th> <th>Length</th> <th>Area</th> <th>Volume</th> </tr> </thead> <tbody> <tr> <td>$x + y + z$</td> <td></td> <td></td> <td></td> </tr> <tr> <td>xyz</td> <td></td> <td></td> <td></td> </tr> <tr> <td>$xy + yz + xz$</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Expression	Length	Area	Volume	$x + y + z$				xyz				$xy + yz + xz$					
Expression	Length	Area	Volume															
$x + y + z$																		
xyz																		
$xy + yz + xz$																		
	<p>Calculate the length of the line ST</p>																	
<p>Prove</p> $(n + 2)(n - 3) \equiv (n - 2)(n + 1) - 4$																		
<p>Ashley takes two cubes out of a bag, without replacement. There are 5 red, 3 blue and 2 green cubes.</p> <p>What is the probability he picks two cubes the same colour?</p>																		