
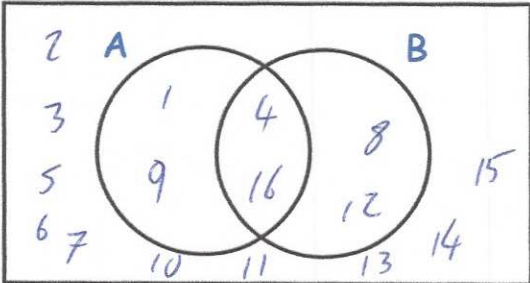


8th February		 Corbettmaths
<p>A circle has equation</p> $x^2 + y^2 = 8$ <p>Find the area of the circle.</p>	$\pi \times r^2$ $\pi \times (\sqrt{8})^2$ 8π	
<p>Find the equation of the tangent to the circle $x^2 + y^2 = 25$ at the point (5, 0)</p>	$x = 5$	
<p>Prove</p> $-3x^2 - 2x + (2x + 1)^2$ <p>is never negative</p>	$-3x^2 - 2x + 4x^2 + 4x + 1$ $x^2 + 2x + 1$ $(x+1)^2 - 1 + 1$ $(x+1)^2$ <p>minimum value is 0 when $x = -1$</p>	
<p>$\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16\}$</p> <p>A = square numbers B = multiples of 4.</p>		
<p>Which is less likely?</p> <p>P(square number given multiple of 4) =</p> <p>P(multiple of 4 given square number) =</p>	$\frac{2}{4} = \frac{1}{2}$ $\frac{1}{2}$	