


| 6th May | |
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| <p>Express</p> $\frac{3}{5 - \sqrt{3}}$ <p>in the form $a + b\sqrt{3}$</p> |  Corbettmaths |
| <p>Find</p> $\sum_{k=1}^4 k(k+3)$ | |
| <p>Find the equation of the tangent to the curve $y = 2x^3 - 4x^2 + x - 2$ at the point where $x = 2$</p> <p>Give your answer in the form $ax + by + c = 0$</p> | |
| <p>Three points have coordinates A(1, 0), B(5, 20) and C(-2, 8).</p> <p>The midpoint of AB is D The midpoint of BC is E</p> <p>Find the distance DE</p> | |
| <p>A curve has equation $y = f(x)$ and passes through (9, 1). Given</p> $f'(x) = 3x^2 - 4x^{\frac{1}{2}} + 1$ <p>Find $f(x)$</p> | |