

MTH 111, Math. for the Architects, Quiz seven Spring 2014

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QUESTION 1. (i) Find y' . Do not simplify: $y = 4(2x^2 + 3x - 7)^{20}$

(ii) Find $\lim_{x \rightarrow 2} \frac{-x^2 + 1}{x^2 - 4x + 4}$.

(iii) Find $\lim_{x \rightarrow 3} \frac{x^3 - 2x^2 - 9}{x^2 + x - 12}$

(iv) Let $f(x) = 4(\sqrt{x}) + 2x - 6$. Find the equation of the tangent line to the curve of $f(x)$ when $x = 4$.**Faculty information**

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