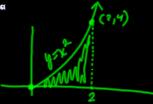
AP Calculus AB Wednesday, February 12, 2014

Please put your HW in the tray.

Find the EXACT area





$$\Delta X = \underbrace{b-a}_{n}$$

$$\Delta X = \underbrace{2 \cdot o}_{n} = \underbrace{2}_{n}$$

$$X_i = \alpha + \lambda \triangle \times$$
 $= 0 + \lambda \cdot \stackrel{\sim}{\geq}$

$$X_i = \frac{2i}{N}$$

$$f(x_i) = \left(\frac{2i}{n}\right)^2 = \frac{4i^2}{n^2}$$

$$A = \frac{2}{h} \left(\frac{4i^2}{n^2} \right)$$

$$\sum_{i=1}^{N} \frac{v_3}{8^{17}}$$

$$\lim_{n\to\infty} 8n^2 + 12n + 4$$

$$\lim_{N\to\infty} \left(\frac{8}{3} + \frac{4}{n} + \frac{4}{3n^2} \right) = \frac{8}{3}$$

$$\int_{0}^{2} x^{2} dx = \frac{8}{3}$$

$$\int x^2 dx = \frac{x^3}{3} + C$$

$$\sqrt{2} dx = \frac{8}{3}$$

Good y= 2x on [0,6].

$$F(x) = \int_{0}^{x} 2t dt$$
 $X = \int_{0}^{x} 1 + \int_{0$