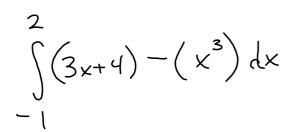
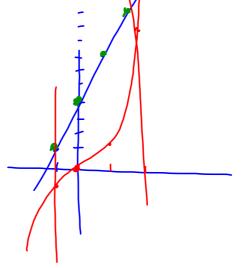
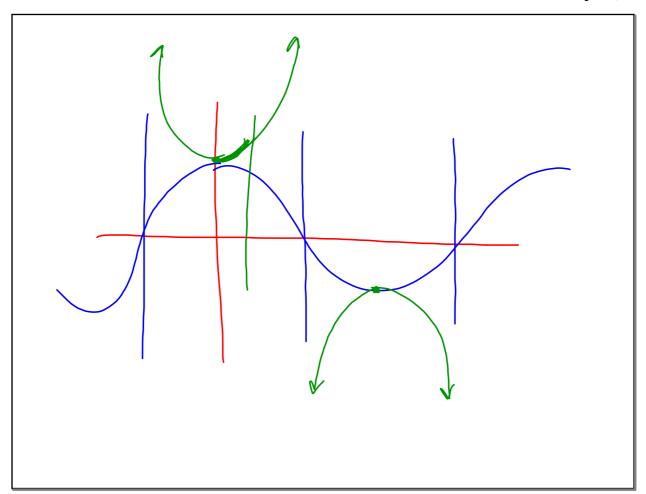


Find the area of the region between: y = 3x + 4 $y = x^3$ from x = -1 to x = 2

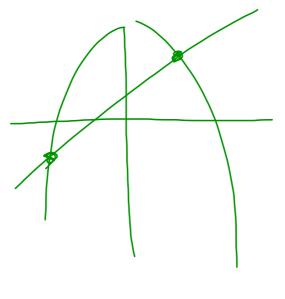




Find the area of the region between: $y = \sec^2 x$ & $y = \sin x$ between x = 0 $x = \frac{\pi}{4}$ $\int \left(\sec^2 x - \sin x \right) dx$ $\int \left(\sec^2 x - \sin x \right) dx$



Find the area of the region enclosed by the parabola $y = -3x^2 + 5$ and the line y = 2x



Find the area of the region bounded above by $y = \sqrt{x}$ and below by the x-axis and the line y = x - 2

- a) by integrating with respect to x
- b) by integrating with respect to y