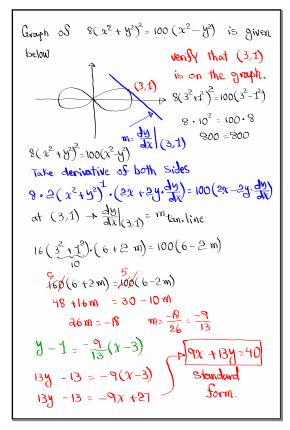
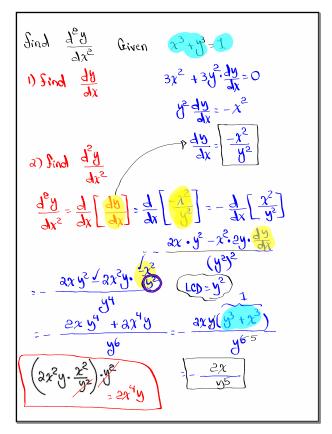


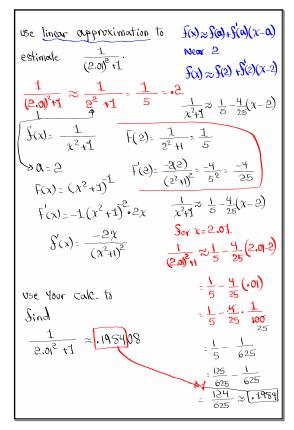
Feb 19-8:47 AM



Oct 17-10:25 AM



Oct 17-10:37 AM



Oct 17-10:48 AM

Use linear approximation to estimate
$$\sqrt[3]{66}$$
 Ly $\int (x) \approx \int (x) + \int (x)(x-a)$
 $\sqrt[3]{66} \approx \sqrt[3]{64} = 4$
 $\sqrt[3]{64} = 4$

Near $a = 64$
 $\sqrt[3]{64} = 4$
 $\sqrt[3]{64} = 4$
 $\sqrt[3]{64} = 4$

Now let $x = 66$
 $\sqrt[3]{66} \approx 4 + \frac{1}{48}(66 - 64) = 4 + \frac{2}{48}$

Now Use Your Calc to Sind $\sqrt[3]{66} \approx 4 + .0412$

Oct 17-10:58 AM

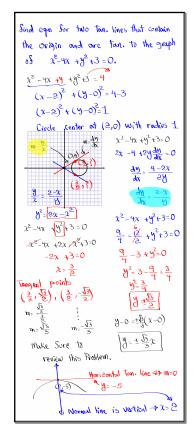
Use linear approximation
to estimate
$$\sqrt{80.9}$$

Ans in reduced fraction.

 $\sqrt{80.9} \approx \sqrt{81} = 9$
 $\sqrt{80.9} \approx 9 + \frac{1}{18} (80.98)$
 $\sqrt{80.9} \approx \sqrt{81} = \frac{1}{2\sqrt{81}} = \frac{1}{2\sqrt{9}} = \frac{1}{18} = \frac{1}{2\sqrt{9}} = \frac{1}{180}$

Use Your calc. to Sind

 $\sqrt{80.9} = \sqrt{8.994}$
 $\sqrt{80.9} = \sqrt{8.994}$



Oct 17-11:21 AM