Choose 3 questions For done
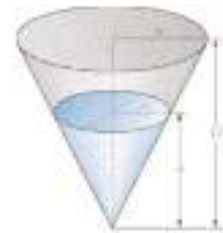
1. Check it out is function
$$f(x) = |x - 3|$$
Have derivative in $x = 3$

2. Water is poured into an inverted cone at a constant speed of 8 cm^3/min. If the height of the cone is 12 cm and the radius of the top of the cone is 6 cm, how fast does the radius of the top surface of the water change when the height of the water is 8 cm from the bottom?

3. Search dy /dx for equality following :
$$x \cos (2x + 3y) = y \sin x$$

4. For sketch curve from function :
$$y = \frac{x^4}{4} - 2x^2 + 4$$

5. Determine with method substitute !

a. $\int (3X - 5)^2 dx$

b. $\int \frac{2q}{4x-7} dx$

6. Make it count Riemann sums for $f(x) = x^2 + 1$ on interval

[-1,2] uses dot, dot, dot the same partition long

-1<-0.5<0<0.5<1<1.5<2, with point matching samples _ x_i is the midpoint of the i -th subinterval .

HAVE A GREAT TIME DOING IT