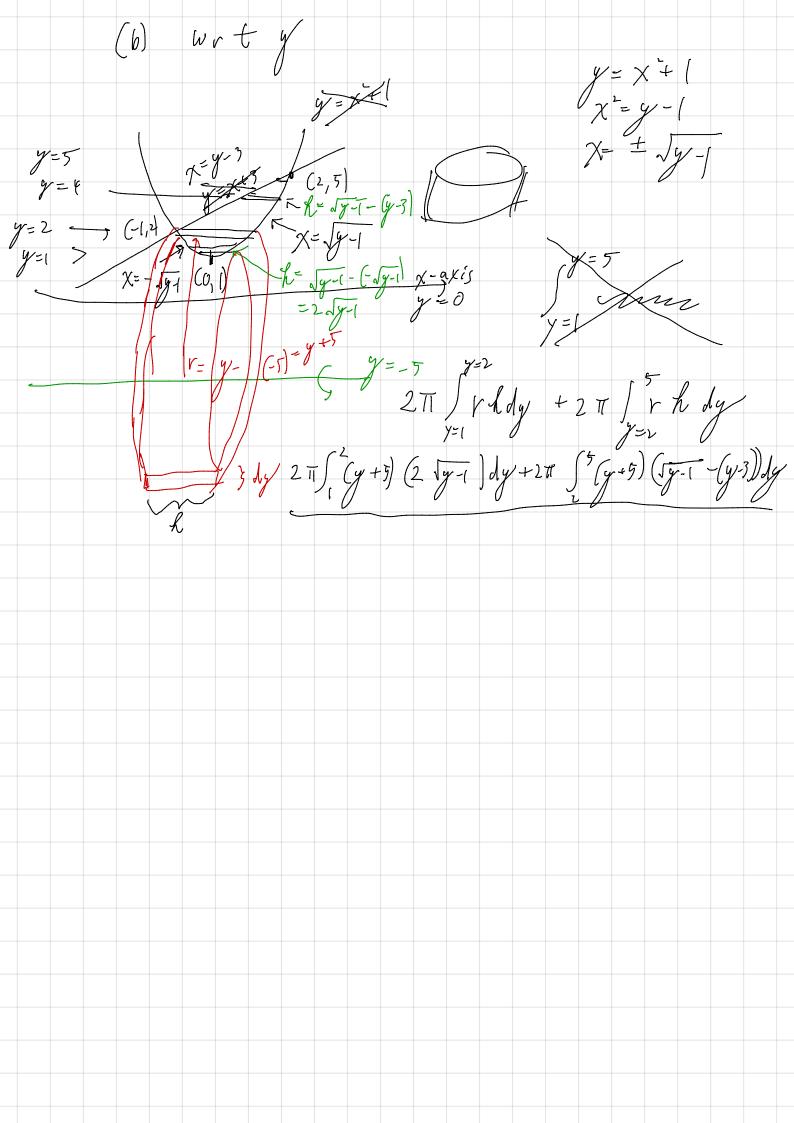
Math 6 (8:30AM) 28 Jan 2020 <u>Problem</u> Take the region between the curves $y = \chi^2 + 1$ $y = \chi + 3$ and rotate it about the line y=-5. Write integral(s)

(a) wrt x and (b) wrt y representing the volume of the resulting solid of revolution. (You do not need to evaluate simplify the integrals. $\begin{array}{c|c} (2,5) & (a) & \text{wort} \times \\ x=1 & \text{wort} \end{array}$ X-axij g=0 r= = x+0 x=1 -(-51) = x-+6 TRdx-Trdx = T(R-r')dx



6.4 Work
(Physics)
Systems of Units

	MKS		English	
Time distance	se cond me ter	(s)	se conid foot	(5)
velocity acceleration	m/ m/		ft/s	
Mass Force	Kg		slags	
	10.200		, , , ,)

Mass is not the same thing as weight

The mass of an object is its resistance
to being moved. A bowling ball has more mass than
a teather

The weight of an object is how how a gravity
pulls on it. Two objects with the same mass have
the same weight if they are both in the same
gravity facil.

A bowling ball on the moon
has the same mass as a balling ball on
earth, but less weight.