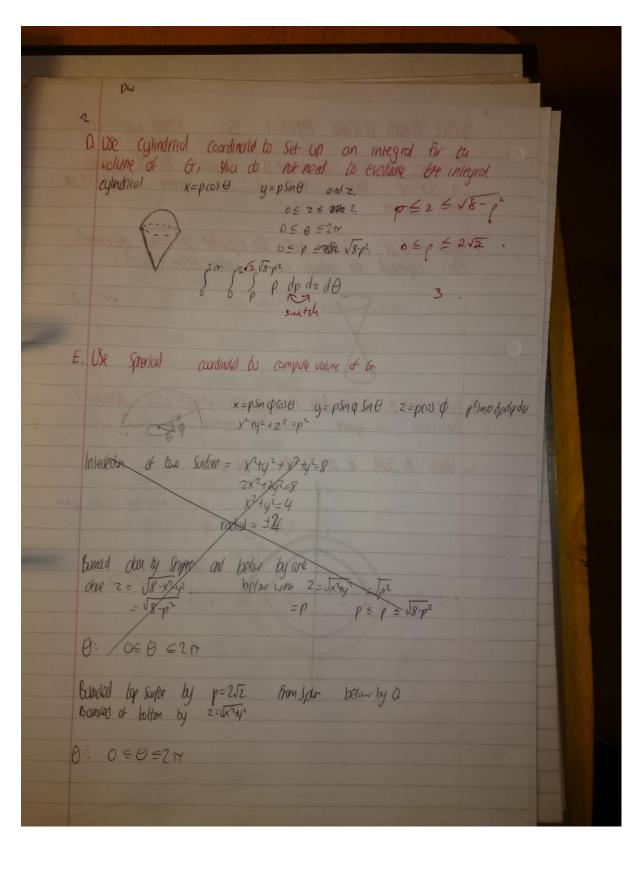
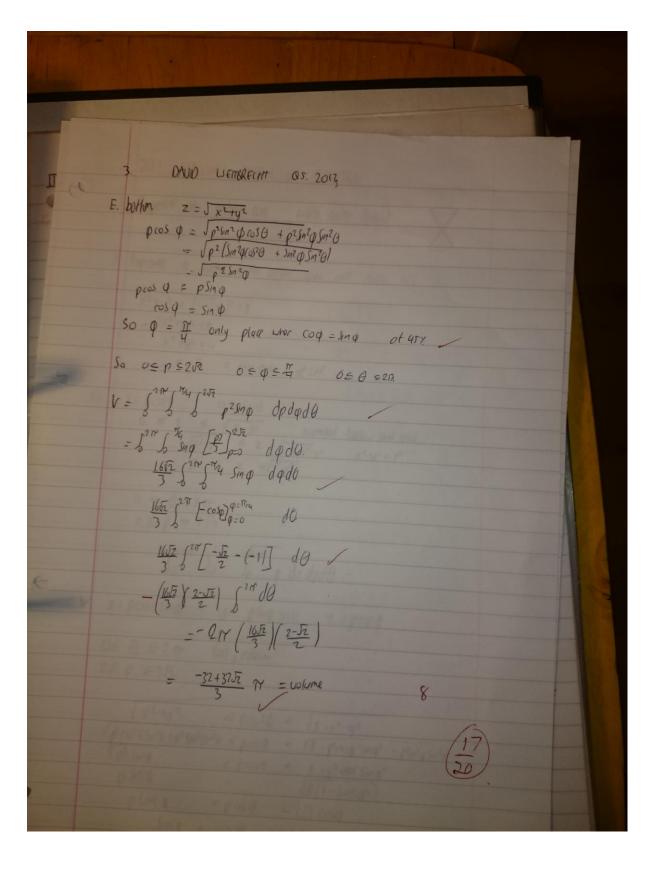
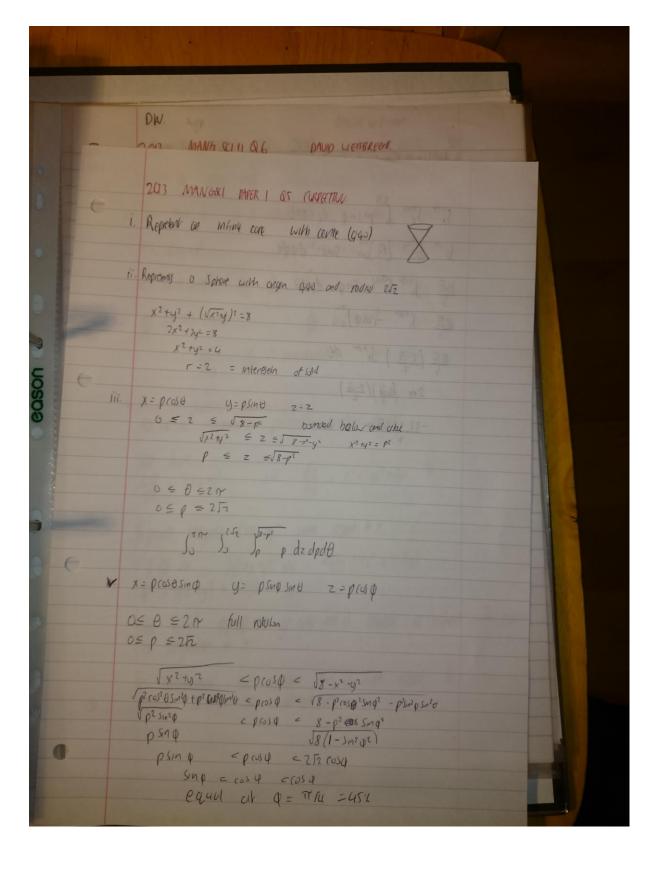
2012 MANG. SCIENCE PAPER 1 QS. DAND LIERBRECON. Consider the sold a which is banded by the surface  $z = \sqrt{x^2 + y^2}$  from below and the surface  $x^2 + y^2 + z^2 = 8$ A Whote kind of a surface de the equation 2- 5x343 describe?
This represents an infinde are with anyin (0,0,0) B What Kind of Surface does the equation x2+y2+22=8 describes

Describes a sphere with radiu J8 = 252 C. Shetch the Solid to onto the xy plane come interection with Spher







50 Jours Spesma dpdqdd B' L' L' [l's] PES SING DODE 1652 52 P - COS Q | Q=0  $\frac{165}{3} \left(\frac{2-52}{2}\right) \int_{0}^{2\pi} d\theta$   $= 2\pi \left(\frac{165}{3}\right) \left(\frac{2-52}{2}\right)$ -32 +325zp = Wuni