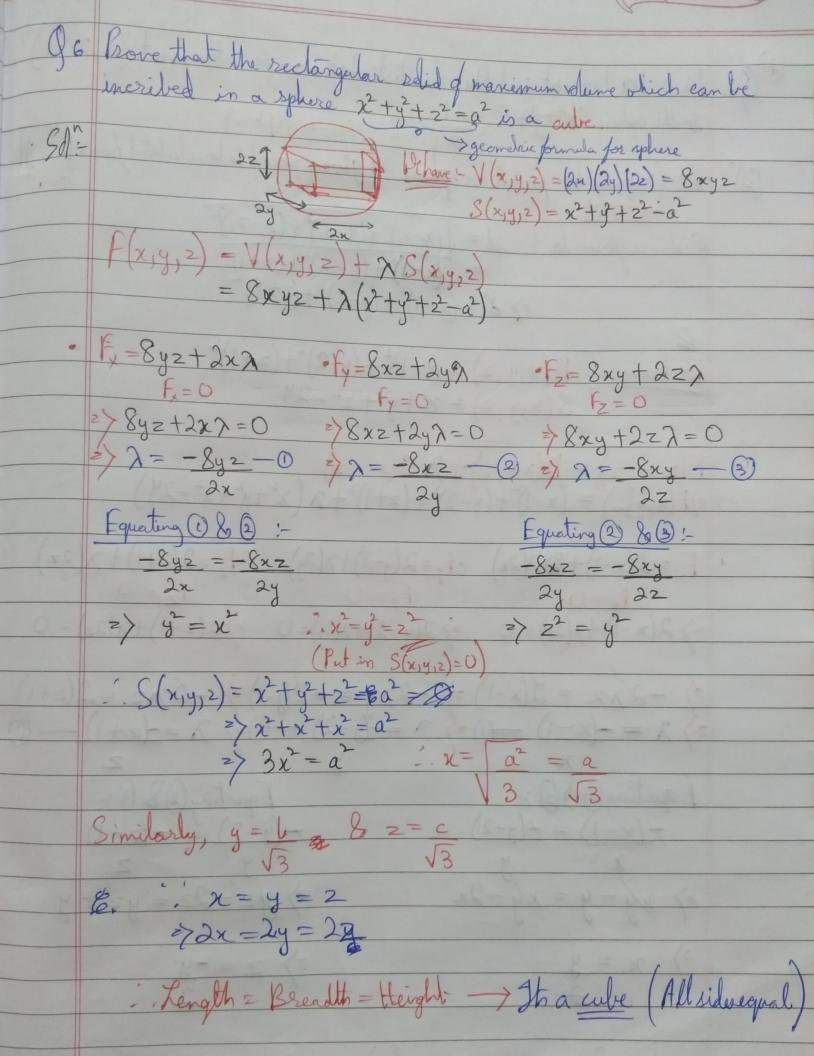
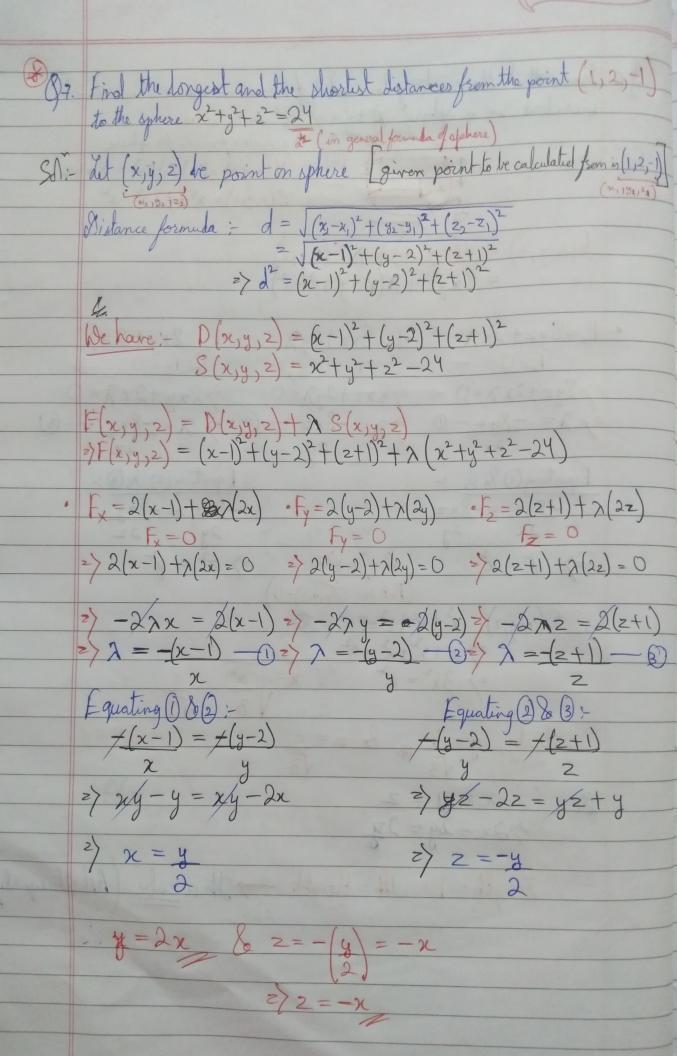


Equating 1 & 2: +8y2a = -8x262 Equating @ & 3:  $y^{2} = y^{2} = 2^{2}$  (Rut in  $F(x,y,z) = x^2 + y^2 + z^2$  $\frac{2}{a^{2}} + \frac{x^{2}}{a^{2}} + \frac{x^{2}}{a^{2}}$  $\frac{2}{3}\frac{x^2}{a^2} = 1$  $z / x^2 = a^2 / x =$ f(x,y,z) = 8xy2 = 8 (a) (b) (c) (3) (3) = 8 abc unit (Man volume)





$$S(2,y,z) = x^{2} + y^{2} + z^{2} + 2y = 0$$

$$= x^{2} + y^{2} + (-x)^{2} = 24$$

$$\Rightarrow x^{2} + 4x^{2} + x^{2} = 24$$

$$\Rightarrow 6x^{2} = 24$$

$$\Rightarrow x^{2} = 4$$

$$\Rightarrow x^{2} = 4$$

$$\Rightarrow (-2)^{2} = -2$$

$$\Rightarrow (-2)^{2} = 2$$

$$\Rightarrow$$