Surfaces

1. (a) Give a parametric representation of the part of the surface

$$z = \frac{2x^{\frac{3}{2}}}{3} + 2y$$

which is over the planes $x = 0$, $x = 11$, $y = 0$, $y = 2$.

(b) Calculate the equation of the tangent plane to the above surface at the point $(4, \frac{1}{3}, 6)$.