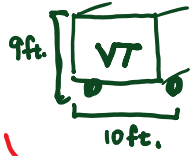


see
example 5
- pg. 929 -



$$\frac{x^2}{20^2} + \frac{y^2}{10^2} = 1 \quad 9-8.66$$

$$\frac{x^2}{400} + \frac{y^2}{100} = 1 \quad y \approx 8.66$$

$$x=10 \rightarrow \frac{100}{400} + \frac{y^2}{100} = 1$$

$$\frac{1}{4} + \frac{y^2}{100} = 1 \rightarrow 25 + y^2 = 100$$
$$y^2 = 75$$