Vertically down $Q_y = -9.8 \, \text{m/s}^2 \quad \text{(towards center)}$

1

$$\int_{x} = dx$$

$$\int_{x} dx$$

$$\begin{array}{l}
\alpha_{x} = dv_{x} \\
t_{z} \text{ when } dt \\
\alpha_{x} dt = \int_{V_{x}}^{V_{z}} dv_{x} \\
t_{x} = \int_{V_{x}}^{V_{z}} dv_{x}
\end{array}$$

$$= \int_{V_{x}}^{V_{z}} dv_{x} dv_{x}$$

Take ay = + 10 m/s2 (hoose 1+ Find distance travelled using graphical integration.

15 to 25 m If an une constant accorder mulas.