

$$(1)e_x + (t)e_y + (-8t + 12)e_z = 1\bar{i} + t\bar{j} + (-8t + 12)\bar{k}$$

$$= \langle 1, t, -8t + 12 \rangle$$

$$\begin{bmatrix} z \\ t \\ f(z, t) \end{bmatrix} \text{ means } \langle z, t, f(z, t) \rangle$$

$$x - 3y > 0$$

$$x > 3y$$

$$x = 3y$$

$$y = \frac{1}{3}x$$

