

$$\frac{(y-2)}{(x-1)} = \frac{3}{1}$$

$$y-2 = 3(x-1)$$

$$y = 3x - 3 + 2$$

$$\boxed{(T): y = 3x - 1}$$

- x-intercept, then  $y = 0$

$$\text{So, } 0 = 3x - 1$$

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

$$\text{Thus, } \boxed{\left(\frac{1}{3}, 0\right)}$$

- y-intercept then  $x = 0$

$$\text{So, } y = 3(0) - 1$$

$$y = -1$$

$$\text{Thus, } \boxed{(0, -1)}$$