Type II -- Given two point, one of which is the y-int.

when this happens, you need to calculate the slope. Label your 2 points (x_1, y_1) & (x_2, y_2) and substitute them into the slope formula:

$$\boxed{m = \frac{y_2 - y_1}{x_2 - x_1}}$$

Then substite the y-int and the slope into $\boxed{y = mx + b}$

ex. Given: $(3, 9)$ and $(0, -2)$
$x_1\ y_1$ $\quad$ $x_2\ y_2$

First label →

Next Substitute: $m = \frac{-2-9}{0-3} = \frac{-11}{-3} = \boxed{\frac{11}{3} = m}$

Since $(0, -2)$ is the y-int, $\boxed{\text{"}b\text{"} = -2}$

Equation $\boxed{y = \frac{11}{3}x - 2}$