## STANDARD FORM

Any line can be written in this form....

$$
A x+B y=C
$$

where the following conditions hold

1. There are NO FRACTIONS or DECIMALS
2. The coefficient of $\underline{\mathbf{A}}$ must be POSITIVE

## X- INTERCEPTS

## X-INTERCEPTS CAN BE CALLED BY THE FOLLOWING.....

## 1. ROOTS <br> 2. SOLUTIONS <br> 3. ZEROS <br>  <br> THEY ALL <br> MEAN THE SAME

## STANDARD FORM : INTERCEPTS <br> $$
A x+B y=C
$$

## y - intercepts <br> x-intercepts

set $\mathrm{x}=0$
and solve for $y$

$$
\begin{gathered}
\text { set } y=0 \\
\text { and solve } \\
\text { for } x
\end{gathered}
$$

Examples: Find the y -intercept

$$
x+6 y=-6
$$

$x=0$

$$
\begin{aligned}
0+6 y & =-6 \\
\frac{6 y}{6} & =\frac{-6}{6}
\end{aligned}
$$



