Algebra 1 Test 3 Review
Graphing Linear Equations
Which ordered pair is a solution of the


c.) $(-2,-4)$ and $(-2,5)$

$$
\frac{5--4}{-2--2}=\frac{9}{0}=\text { Undefined }
$$

d.) $\quad \begin{gathered}x_{1}, y_{1} \\ (-3,-10)\end{gathered}$ and $^{x_{2}}(3,-8)$

$$
\frac{-8--10}{3--3}=\frac{2}{6}=\frac{1}{3}
$$

Find the slope of the line passing through each pair of points listed below.
a.) $\quad\left(3, y_{1}\right)$ and $(-4,9)$

$$
\frac{9-9}{-4-3}=\frac{0}{-7}=0 \operatorname{zer} 0
$$

$\begin{array}{cc}x_{1} y_{1} & x_{2} y_{2} \\ \text { b.) } & (-4,8) \\ & \text { and }(4,2)\end{array}$

$$
\frac{2-8}{4--4}=\frac{-6}{8}=\frac{-3}{4}
$$


a.) The $x$-intercept is between which two numbers? 1 and 2
b.) y-intercept?
d.) Slope of the line parallel to this $(0,-1)$
c.) Slope? line? $m=2 / 3$
$\frac{\text { rise }}{\operatorname{run}} \frac{\uparrow 2}{\rightarrow 3}=\frac{2}{3}$
e.) Slope of the line perpendicular to this line?

$$
\text { ne i } m=3 / 2
$$





21 Solve $-6 x<x+14$

$$
\frac{-x-x}{\frac{-7 x}{-7}<\frac{14}{-7}}
$$

$$
x>-2
$$

