

# Linear Equations and Inequalities



## Graphing Equations

Graph each equation by plotting points. Use your own graph paper.

$y = x + 2$			
$\begin{array}{c c} x & y \\ \hline 3 & 5 \\ 0 & 2 \\ -2 & 0 \end{array}$	$\begin{array}{l} y = 3 + 2 \\ y = 5 \end{array}$	$\begin{array}{l} y = 0 + 2 \\ y = 2 \end{array}$	$\begin{array}{l} y = -2 + 2 \\ y = 0 \end{array}$

1.  $y = x + 3$

5.  $x = -7$

2.  $y = -2x + 4$

6.  $y = -3x + 5$

$\begin{array}{c c} x & y \\ \hline 2 & \\ 0 & \\ -1 & \end{array}$
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3.  $x + y = 2$

7.  $y = 5 - x$

$\begin{array}{c c} x & y \\ \hline 7 & \\ 3 & \\ 0 & \end{array}$
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4.  $3x + y = 9$

8.  $3x + 4y = 12$

$\begin{array}{c c} x & y \\ \hline 4 & \\ 0 & \\ -4 & \end{array}$
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