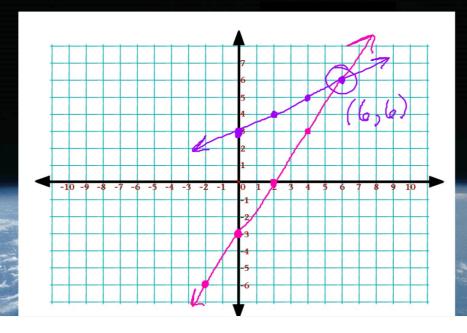
Systems of Linear Equations

Begin Warm-Up

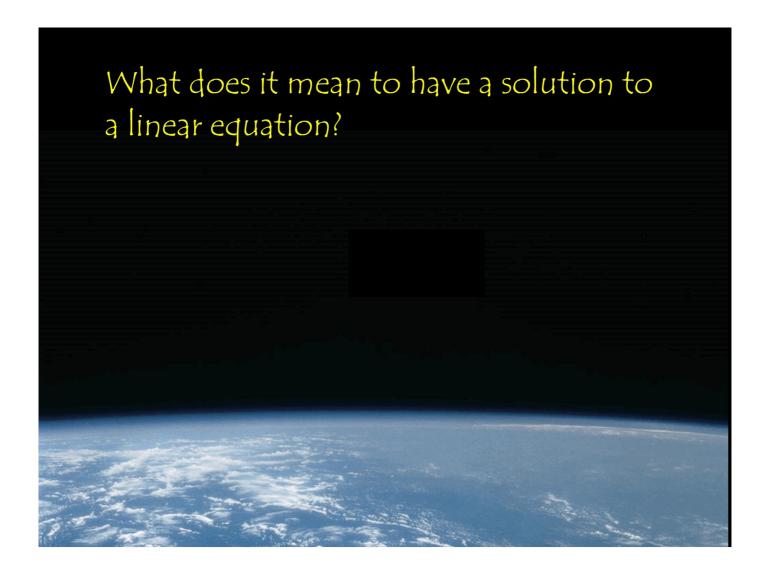
Test Taking Section: On Graph Paper (if possible)

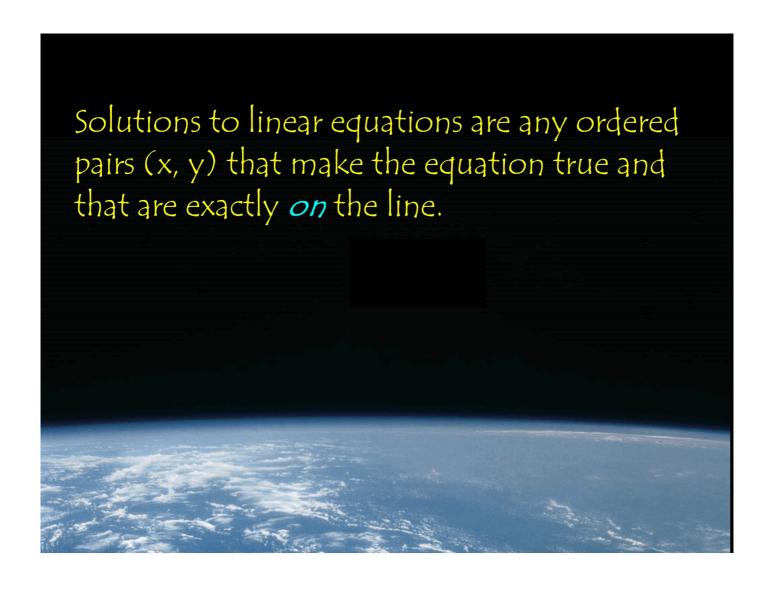
1) Graph $y = 3/2 \times -3$ on a coordinate plane $m = \frac{3}{2}$, b = -3

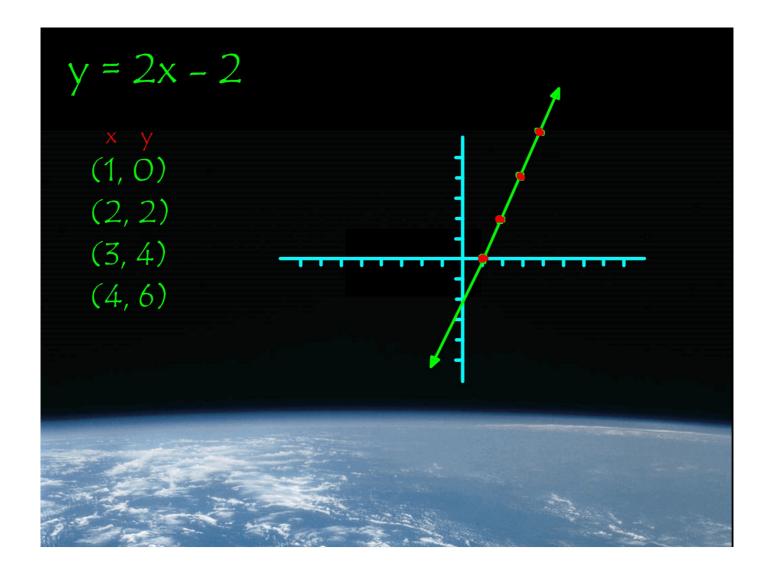
2) Graph -2x +4y = 12 on a coordinate plane -2x+4y=12

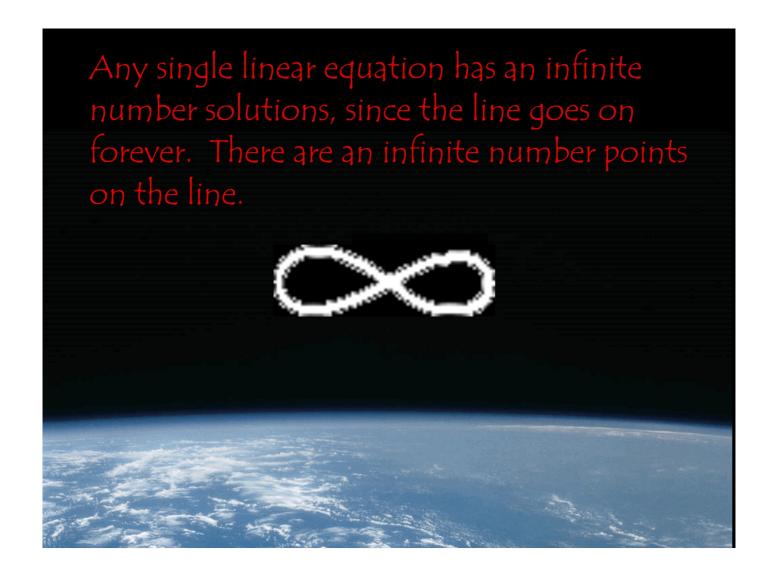


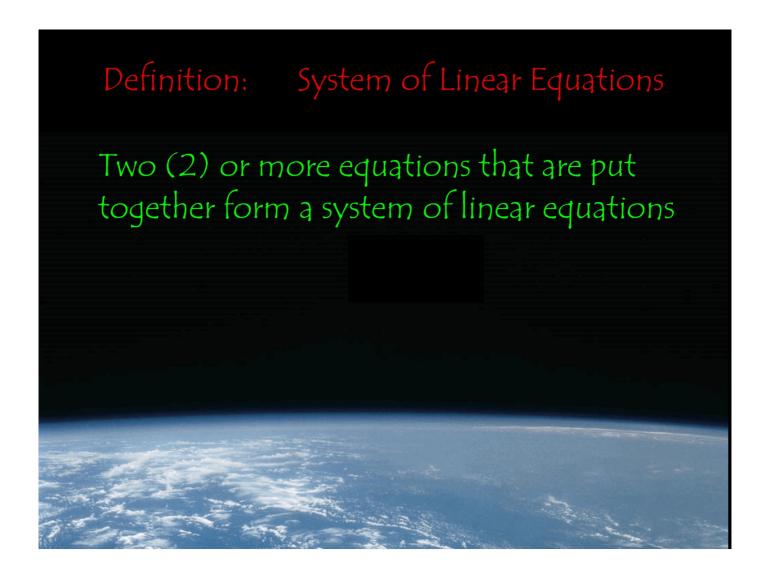
-2x+4y=12 4y=2x+12 $y=\frac{1}{2}x+3$ $m=\frac{1}{2},b=3$

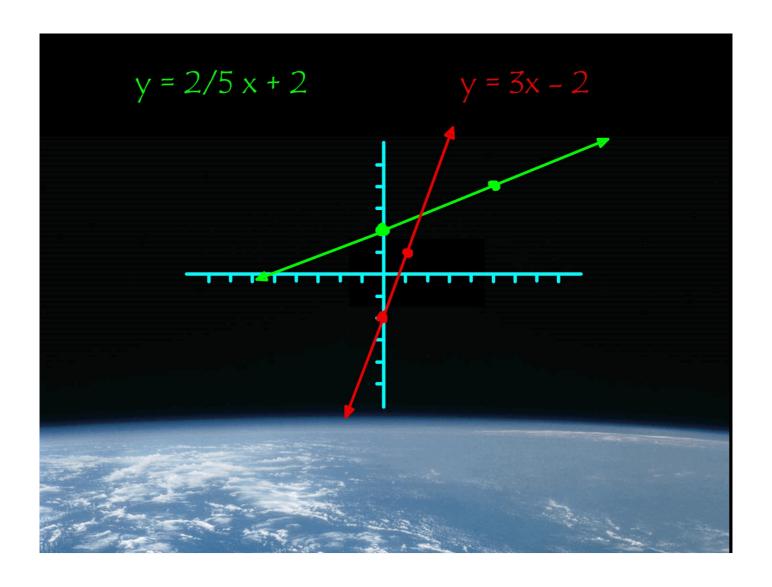


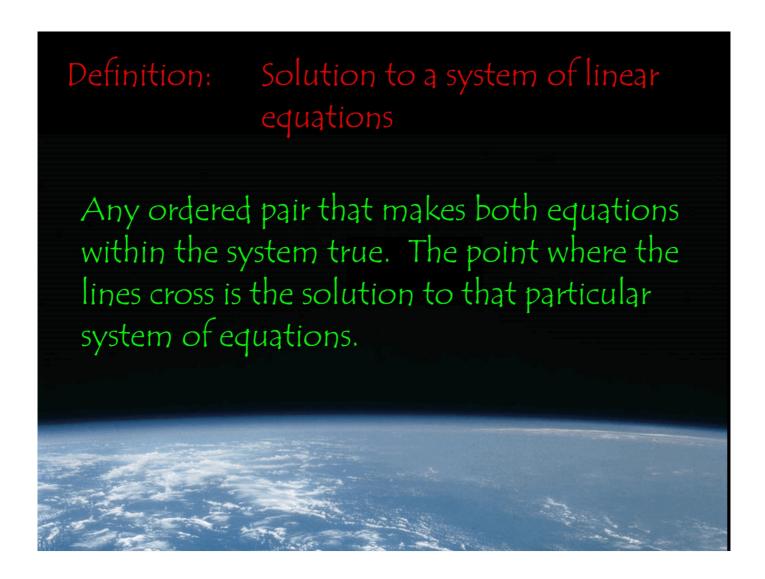


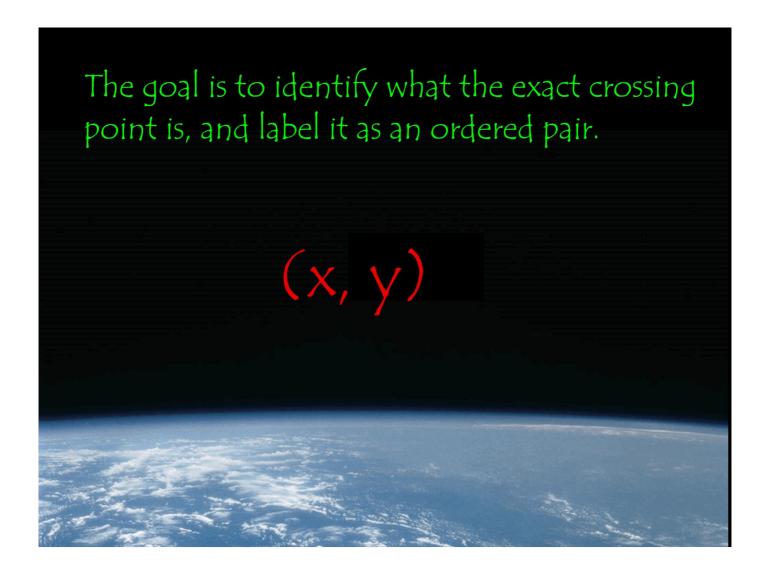












Solving Systems of Linear Equations by Graphing

Solvino Systems by GRaphino

- Graph both equations on the same graph using slopeintercept form.
- 2. The intersection of the lines is the solution of the system.
 - →A solution of the system makes <u>both</u> of the equations true!
- 3. If the lines are **parallel**, there is <u>no Solution</u>
- 4. If the equations create the same line, there are infinitely many solutions.

Example:

