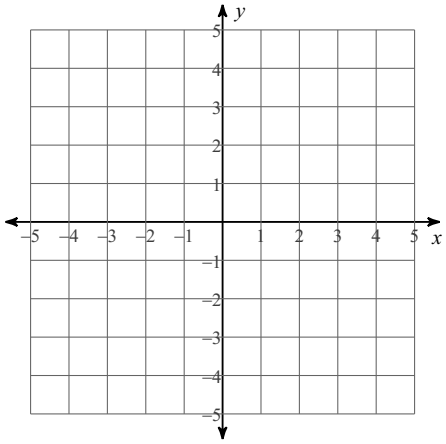
SM1 (JPJmath.weebly.com) Name_____

5.1 Graphing Systems of Equations

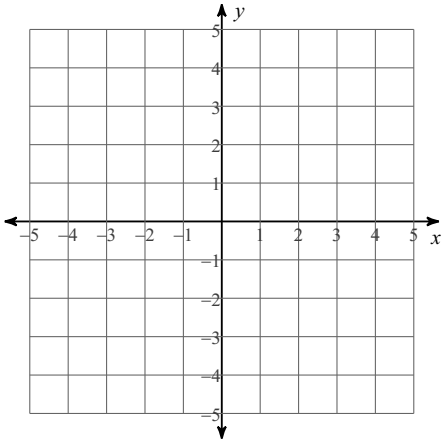
Due Date_____ Period____

Solve each system by graphing. For each a) Name what kind of system, b) name the number of solutions. If there is only one solution please give the answer to the system as an ordered pair.

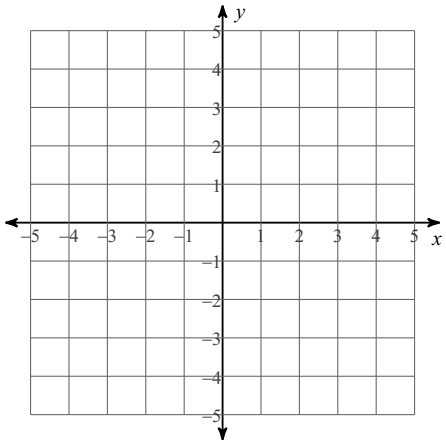
1) $y = -2x - 3$
$y = -2x - 4$



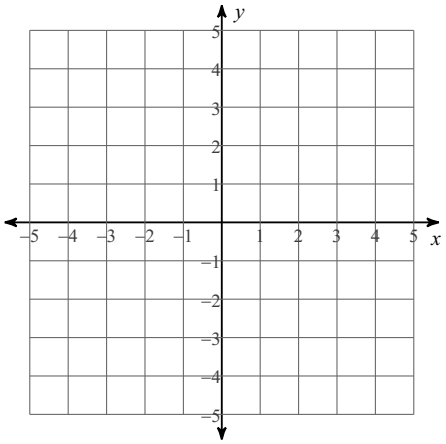
2) $y = -\frac{3}{2}x + 2$
$y = \frac{1}{2}x - 2$



3) $y = \frac{2}{3}x + 3$
$y = -\frac{5}{3}x - 4$

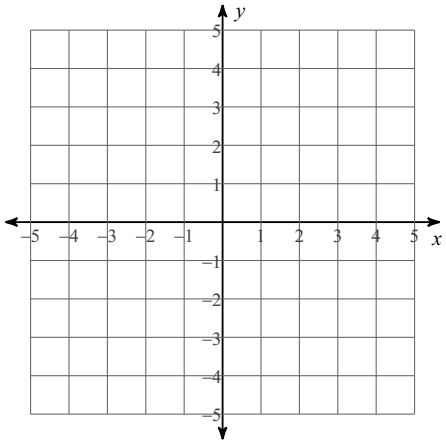


4) $y = -3x + 3$
$y = -\frac{1}{2}x - 2$



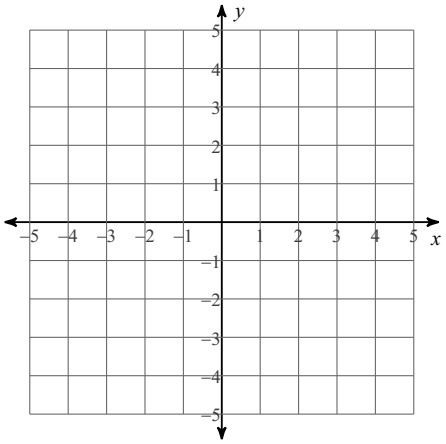
5) $y = -\frac{1}{3}x - 1$

$y = \frac{2}{3}x - 4$



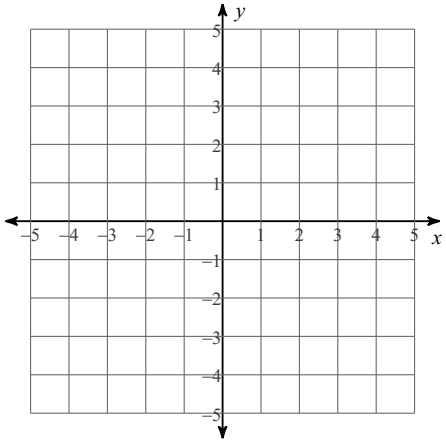
6) $y = -\frac{3}{2}x - 4$

$y = \frac{5}{2}x + 4$



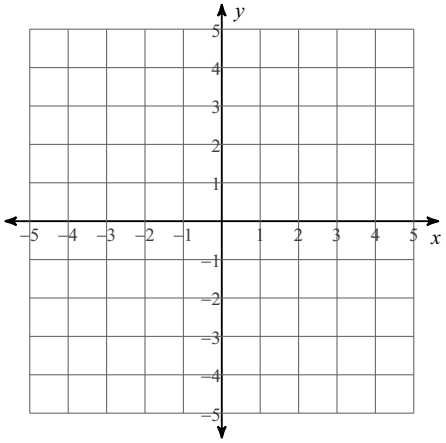
7) $3x - y = 2$

$3x - y = 4$



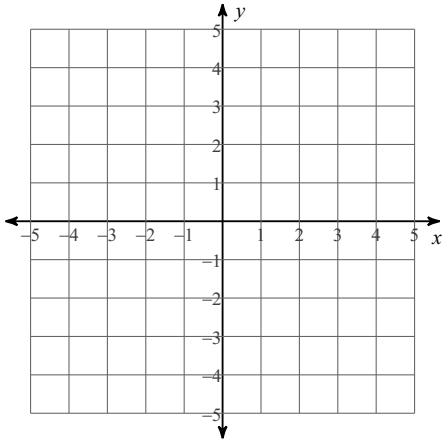
8) $3x + y = -1$

$x - y = -3$



9) $5x - 3y = 6$

$x = 3$



10) $3x+y = 2$

$y = -3x+2$