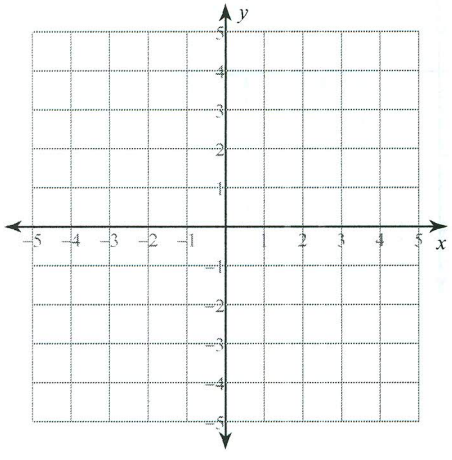
System of Equations #1

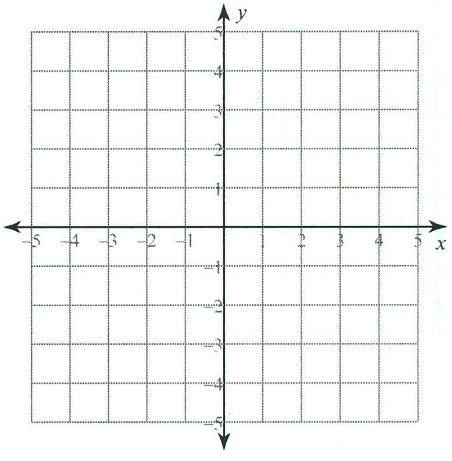
Date_____

Solve each system by graphing

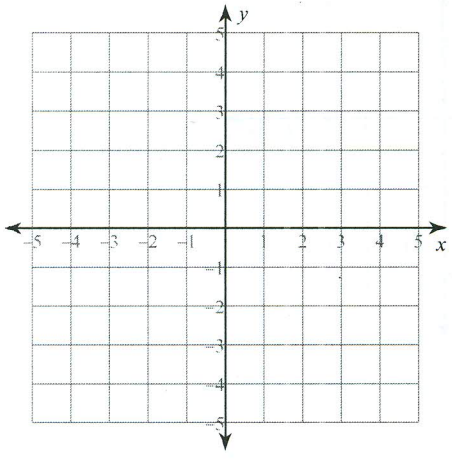
1) $y = x + 2$
$y = -2x - 1$



2) $y = -7x - 3$
$y = -x + 3$

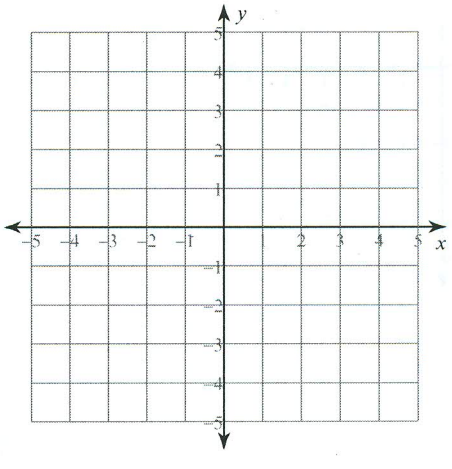


3) $y = x - 4$
$y = -3x + 4$



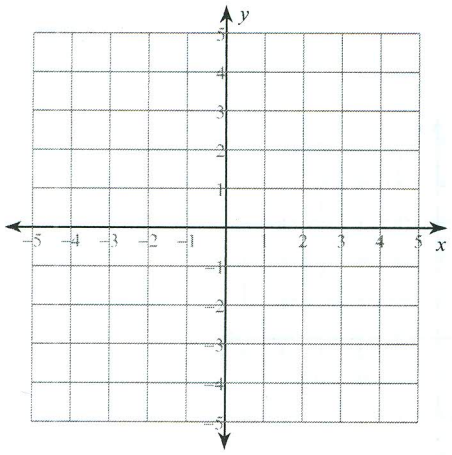
4) $y = \frac{2}{3}x + 1$

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



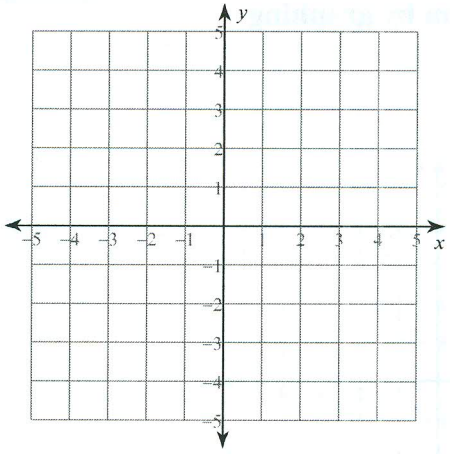
5) $y = \frac{1}{2}x + 3$

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



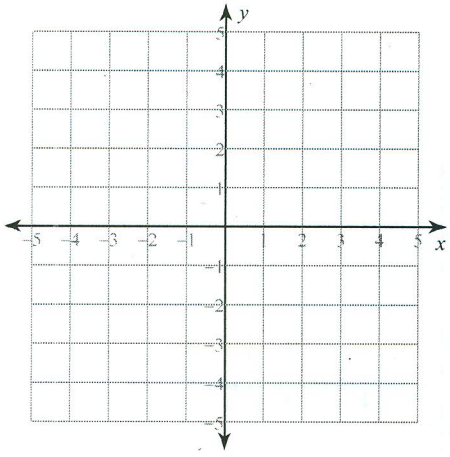
6) $y = \frac{1}{2}x - 4$

$y = -x + 2$



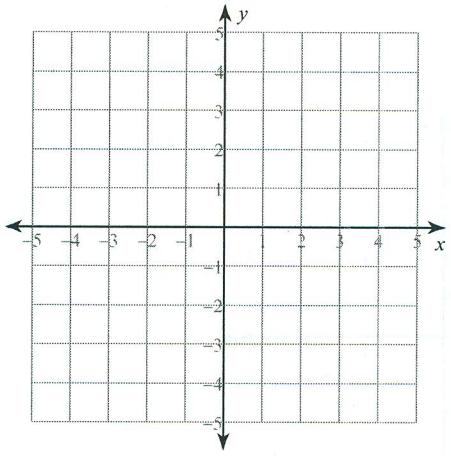
7) $y = x - 2$

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



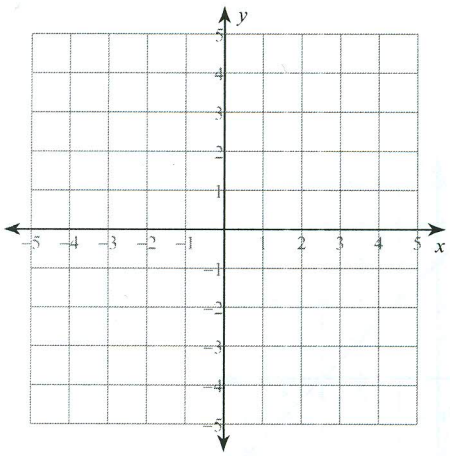
8) $y = x + 1$

$y = 4x - 2$



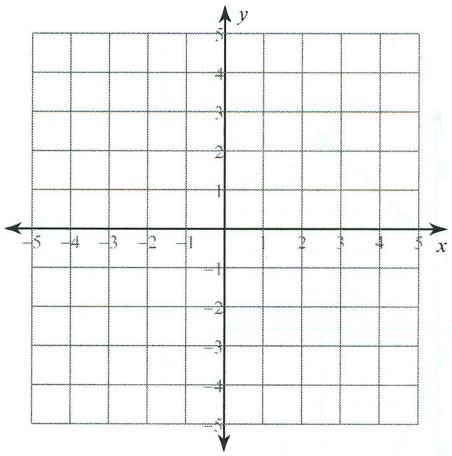
9) $y = -\frac{1}{4}x + 4$

$x = 4$



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

$y = -\frac{1}{2}x - 2$



Solve each system by mathematically.

11) $3x + 5y = -45$
$5y - 12x = 30$

12) $108 = -18y - 8x$
$3y - 2x = 12$

13) $-14y + 98 = 2x$
$14 = 7y + 6x$

14) $-3 = -\frac{3}{5}y + \frac{8}{15}x$
$81 + 6x = -9y$

15) $0 = -y - 8$
$0 = -28x + 18y - 108$

16) $0 = 98 + 14y - 4x$
$0 = -17x + 7y - 56$

17) $24 = x + 6y$
$3 - \frac{1}{6}x = y$

18) $40 + x = -5y$
$-10 - 7x - 5y = 0$

19) $1 = -x - y$
$y = -1 - x$

20) $84 - 21y = -15x$
$9 - \frac{18}{7}x = -y$