Algebra 1 Name _____

Solving Systems by Substitution Day 1

Date _____ Period ____

Solve each system by substitution.

1) $y = x - 2$
$y = 5$

2) $y = x - 2$
$y = 2x - 8$

3) $y = 6x$
$y = 2x$

4) $y = -4$
$y = 7x - 11$

Solve each equation.

5) $\frac{n-3}{3} = -2$

6) $64 = -10b + 4$

Solve each system by substitution.

7) $8x + 3y = -22$
$y = -2$

8) $y = 5$
$6x + 6y = -12$

9) $y = -2x - 4$
$y = -4$

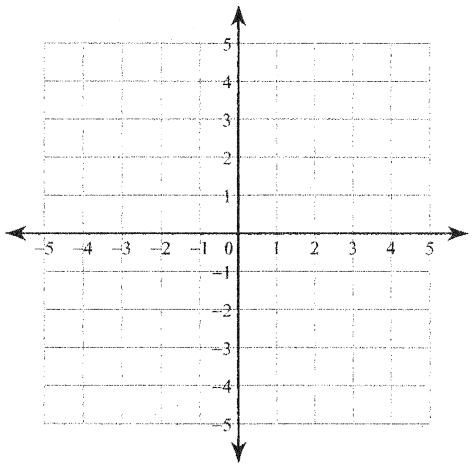
10) $y = -7$
$y = 3x - 7$

11) $y = -3x + 8$
$y = -2x + 3$

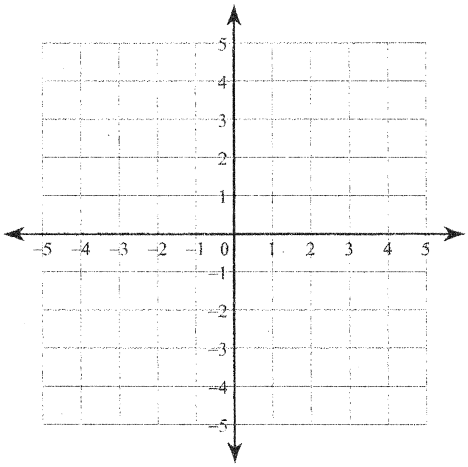
12) $y = -6x + 6$
$y = x - 8$

Solve each system by graphing.

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



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



Solve each equation.

15) $5(-6 + 7r) = -100$

16) $-81 = 3(-3 - 3x)$

Solve each system by substitution.

17) $y = -4x - 19$
$y = 3x + 2$

18) $y = -2x - 15$
$y = 1$

Solve each equation.

19) $-18 = -2n$

20) $18m = -54$

Solve each system by substitution.

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

22) $y = -3x + 18$
$y = 6$

23) $y = 0$
$y = x + 5$

24) $y = 2x - 22$
$y = -8$

25) $y = -4x - 6$
$y = 5x + 3$

26) $y = 7x + 6$
$y = -8$