Algebra 0507
Chapter 7 **Name**_____
WS #3

Indicate whether the slopes and y-intercepts are the <u>same</u> or <u>different</u> for each system.
Write <u>one</u>, <u>none</u> or <u>infinite</u> to describe the number of solutions.
State whether the lines are <u>parallel</u>, <u>same</u>, or <u>intersect</u>.

1. $y = -3x + 7$ $y = -3x + 5$ Slopes_____ y- intercepts_____ # of solutions_____ Lines_____	2. $y = 3x + 7$ $y = -3x + 5$ Slopes_____ y- intercepts_____ # of solutions_____ Lines_____
3. $y = 7 - 3x$ $2y + 6x = 14$ \ Slopes_____ y- intercepts_____ # of solutions_____ Lines_____	4. $y = -x + 10$ $y = -x + 4$ Slopes_____ y- intercepts_____ # of solutions_____ Lines_____
5. $y = x + 10$ $y = x - 1$ Slopes_____ y- intercepts_____ # of solutions_____ Lines_____	6. $y = -x$ $y = -x + 1$ Slopes_____ y- intercepts_____ # of solutions_____ Lines_____

7. $4x+4y=7$

$x+y=\frac{7}{4}$

Slopes_____ y- intercepts_____

# of solutions_____

Lines_____

8. $y=-2x+2$

$y=-2x$

Slopes_____ y- intercepts_____

# of solutions_____

Lines_____

9. $y-3x=0$

$5y-15x=0$

Slopes_____ y- intercepts_____

# of solutions_____

Lines_____

10. $y-9=0$

$y+1=0$

Slopes_____ y- intercepts_____

# of solutions_____

Lines_____

11. $y=4x-2$

$x-4y=2$

Slopes_____ y- intercepts_____

# of solutions_____

Lines_____

12. $\frac{5}{2}x-4=3y$

$6y+8=5x$

Slopes_____ y- intercepts_____

# of solutions_____

Lines_____