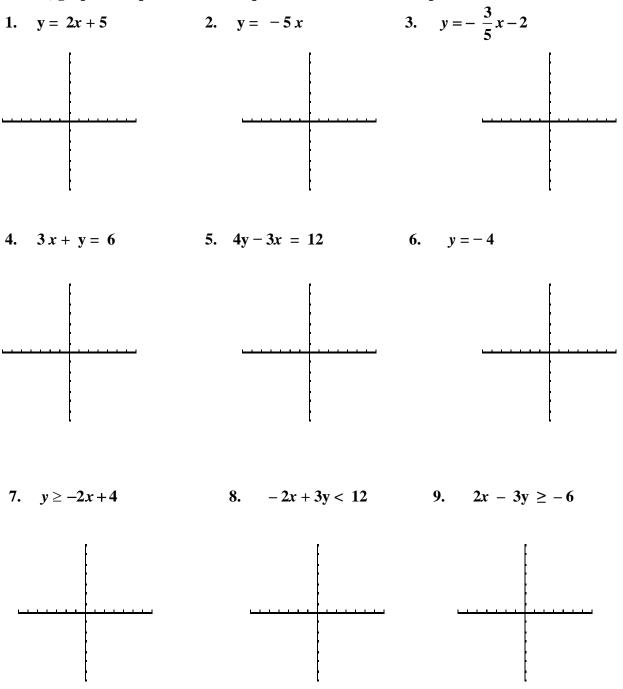
BASIC ALGEBRA EXAM 4 X* NAME _____

SHOW ALL WORK ON THIS TEST OR ON SEPARATE PAPER.

In 1 - 8, graph the equations and inequalities. (Show work for partial credit!)



BASIC ALGEBRA EXAM 4 X* NAME _____

In 10 - 15, find the slope, the *x*-intercept, and the *y*-intercept as indicated—read carefully.

10. $y = 5x - 3$	11. $6x - 4y = 12$	12. $x = -6$	13. $y = 6$
slope =	<i>x</i> -int =	slope =	slope =
<i>y</i> -int =	<i>y</i> -int =	<i>y</i> -int =	<i>x</i> -int =
14. $y = -2 x - 6$	15.	2x + 3y = -12	
slope =		slope =	
<i>x</i> -int =		<i>x</i> -int =	
<i>y</i> -int =		<i>y</i> -int =	

- In 16 19, find the slope of a line
- 16. between (-1, 3) and (2, 12) 17. between (-2, 3) and (3, -1)

18. between (-2, 0) and (0, -3) 19a) parallel to a line whose slope is -5

b) perpendicular to a line whose slope is -5.

BASIC ALGEBRA EXAM 4 X* NAME _____

In 20 - 25 solve the systems of equations. Show all work by algebra method of your choice.

20.	2x - y = 12	21.	-3x + 5y = 10
	x + y = -6		6 x - 10y = 20

22. 2x - 3y = -323x - 4y = -3623. 5x + 3y = 149x + 4y = 7

24.	y = 3x - 5	25.	12y + 5x = 41
	9 x - 2y = 4		x = 4 - 3y

BASIC ALGEBRA EXAM 4X Solutions

