

Linear Systems Test 2

Part I: Solving Systems

Use Substitution (and show your work)

1) $y = 3x + 10$
 $2x + 3y = -3$

2) $y = 2x - 4$
 $3x - y = 9$

Use Elimination (Combination) Method (and show your work)

3) $3x + 7y = 1$
 $6x - 5y = -17$

4) $x + 3y = 6$
 $3x - y = -12$

Use Any Method

5) $y = 4$
 $3x + 5y = 8$

6) $\frac{2}{3}x - y = 4$
 $y = 2x - 12$

7) $y = -3x + 10$
 $3x + y = 15$

Part II: Graphing

Graph the following: $3x + 5y = 15$

What is the x-intercept?

y-intercept?

slope?

Is (20, -8) a point on this line?

