PreAlgebra
Name_____

Notes: Elimination using Addition or Subtraction   Date_____ Period_____

1) Which of these strategies would eliminate
    a variable?

$$2x + 3y = 6$$
$$2x - y = 12$$

A) Multiply bottom equation by 2, subtract
B) Multiply the top equation by 2, then add
C) Subtract bottom equation from the top
D) Add the top equation to the bottom

2) Which of these strategies would eliminate
    a variable?

$$2x - 4y = 8$$
$$3x + 4y = 12$$

A) Multiply top equation by 2 and then add
B) Add top equation to the bottom
C) Add the top equation to the bottom
D) Subtract bottom equation from the top

Follow Along with the videos on google classroom. Solve the system of equations using elimination

3) $3x - 2y = 2$
    $3x + 4y = 50$

4) $2x - 3y = 9$
    $-5x - 3y = 30$

5) $3x - 5y = -16$
    $2x + 5y = 31$

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

7) $5x + 2y = 6$
$9x + 2y = 22$

8) $8x + 3y = 11$
$8x + 7y = 7$

9) $4x + 3y = 10$
$x - 3y = -5$

10) $2x + 5y = 4$
$2x - y = -8$

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   (0, -1)

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   $9x + 2y = 22$

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8) $8x + 3y = 11$ $\left(\dfrac{14}{8}, -1\right)$
   $8x + 7y = 7$

9) $4x + 3y = 10$
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   (1. 2)

10) $2x + 5y = 4$
    $2x - y = -8$

    (-3, 2)