

Name : _____

Teacher : _____

Date : _____

Solving Systems of Equations by Substitution

1) $-3x - y = -24$

$$y = 3x$$

6) $y = \frac{1}{3}x - 4$

$$y = -\frac{7}{3}x + 4$$

2) $3x + y = -21$

$$x + y = -5$$

7) $y = -\frac{1}{4}x + 6$

$$y = 4$$

3) $y = -\frac{5}{3}x + 12$

$$y = \frac{3}{2}x - 7$$

8) $y = \frac{4}{5}x - 3$

$$y = -7$$

4) $7x + 3y = 22$

$$4y = 20$$

9) $-x - 3y = 4$

$$2x = 16$$

5) $y = -\frac{4}{9}x - 3$

$$y = -\frac{7}{5}x - 3$$

10) $-7x - y = 13$

$$8x + y = -14$$

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Solving Systems of Equations by Substitution

1) $-3x - y = -24$

$$y = 3x$$

$$(4,12)$$

6) $y = \frac{1}{3}x - 4$

$$y = -\frac{7}{3}x + 4$$

$$(3,-3)$$

2) $3x + y = -21$

$$x + y = -5$$

$$(-8,3)$$

7) $y = -\frac{1}{4}x + 6$

$$y = 4$$

$$(8,4)$$

3) $y = -\frac{5}{3}x + 12$

$$y = \frac{3}{2}x - 7$$

$$(6,2)$$

8) $y = \frac{4}{5}x - 3$

$$y = -7$$

$$(-5,-7)$$

4) $7x + 3y = 22$

$$4y = 20$$

$$(1,5)$$

9) $-x - 3y = 4$

$$2x = 16$$

$$(8,-4)$$

5) $y = -\frac{4}{9}x - 3$

$$y = -\frac{7}{5}x - 3$$

$$(0,-3)$$

10) $-7x - y = 13$

$$8x + y = -14$$

$$(7,-3)$$