

Worksheet

May 31st _____

Find the x-coordinate of the solution to each system.

1) $x + 4y = 12$

$4y + 20 = -x$

A) Infinite number of solutions

B) -8

C) 2

D) No solution

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

$7x - 2y = 16$

A) -1

B) 1

C) -2

D) 2

3) $-10 - 2y = -5x$

$12 - 5x + 2y = 0$

A) No solution

B) -10

C) 10

D) -9

4) $2x = 8y - 64$

$-y - 7 + 4x = 0$

A) -9

B) -6

C) 6

D) 4

5) $-2 = -x + y$

$-30 + 8x + 6y = 0$

A) -8

B) -3

C) 1

D) 3

6) $-54 + x = -6y$

$-2 = -x + \frac{1}{2}y$

A) -8

B) -2

C) 2

D) 6

7) $x - 2y = -10$

$0 = 4y - 9x + 36$

A) -8

B) 8

C) No solution

D) -10

8) $5y + 30 - 9x = 0$

$x + \frac{35}{9} = \frac{5}{9}y$

A) -6

B) 2

C) No solution

D) -8

9) $0 = -18x - 21y - 63$

$-63 + 7y - 6x = 0$

A) -8

B) -7

C) Infinite number of solutions

D) 9

10) $12y + 3x = -84$

$4 = 3x + y$

A) 4

B) -7

C) No solution

D) -4

11) $-1 + \frac{11}{18}x = -\frac{1}{2}y$

$11x - 27 = -9y$

A) -11

B) 20

C) 11

D) No solution

$$12) 1 = -\frac{24}{221}x - \frac{1}{17}y$$

$$78 - x = 13y$$

- A) Infinite number of solutions
- B) -13
- C) 19
- D) -19

$$14) 2y = -6 - 2x$$

$$9x = y - 17$$

- A) 15
- B) -5
- C) 5
- D) -2

$$16) 0 = -22x - 120 + 8y$$

$$-52 = 4y + 17x$$

- A) 5
- B) 4
- C) 1
- D) -4

$$18) -x - 342 = -19y$$

$$-28x = 209 + 19y$$

- A) 11
- B) -19
- C) -13
- D) 17

$$20) y = 17 - \frac{5}{2}x$$

$$0 = 38 + 2y - 13x$$

- A) 14
- B) -19
- C) 4
- D) -4

$$13) 1 + \frac{1}{11}y - \frac{1}{22}x = 0$$

$$14y = 23x + 70$$

- A) -17
- B) -14
- C) 19
- D) 14

$$15) 1 = \frac{1}{6}y - \frac{3}{13}x$$

$$\frac{13}{3} - \frac{13}{18}y = -x$$

- A) 10
- B) -10
- C) -17
- D) Infinite number of solutions

$$17) -2y = -6 - 3x$$

$$0 = -4y + 48 - 3x$$

- A) 4
- B) -10
- C) Infinite number of solutions
- D) 10

$$19) -84 - 12y = 2x$$

$$0 = -18y + 7x + 54$$

- A) -14
- B) 4
- C) -18
- D) No solution