

Hello,

Hope everyone is doing well. In light of recent events, we have moved to an online learning format. Every week I will provide you with work to be completed and links that correlate with the given assignment. Should you have any questions please email me at sshareeq@pfpcs.org.

Best,

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Week 1:

SWBAT solve system of equations through substitution and elimination.

I want you to watch the following videos:

Solving systems through substitution:

<https://www.youtube.com/watch?v=xzuouSZ69XU>

<https://www.youtube.com/watch?v=F5oLU9qjYIo>

<https://www.youtube.com/watch?v=O8zps4mwQT8>

Solving systems through elimination:

<https://www.youtube.com/watch?v=X6nZdM7MxfY>

<https://www.youtube.com/watch?v=ZOiISK7dKag>

<https://www.youtube.com/watch?v=cz6UmZLWgEw>

Solving Systems Through Substitution

1) $y = 6x - 11$
 $-2x - 3y = -7$

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

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

4) $-3x - 3y = 3$
 $y = -5x - 17$

5) $y = -2$
 $4x - 3y = 18$

6) $y = 5x - 7$
 $-3x - 2y = -12$

7) $-4x + y = 6$
 $-5x - y = 21$

8) $-7x - 2y = -13$
 $x - 2y = 11$

$$\begin{aligned} 9) \quad & -5x + y = -2 \\ & -3x + 6y = -12 \end{aligned}$$

$$\begin{aligned} 10) \quad & -5x + y = -3 \\ & 3x - 8y = 24 \end{aligned}$$

$$\begin{aligned} 11) \quad & x + 3y = 1 \\ & -3x - 3y = -15 \end{aligned}$$

$$\begin{aligned} 12) \quad & -3x - 8y = 20 \\ & -5x + y = 19 \end{aligned}$$

$$\begin{aligned} 13) \quad & -3x + 3y = 4 \\ & -x + y = 3 \end{aligned}$$

$$\begin{aligned} 14) \quad & -3x + 3y = 3 \\ & -5x + y = 13 \end{aligned}$$

$$\begin{aligned} 15) \quad & 6x + 6y = -6 \\ & 5x + y = -13 \end{aligned}$$

$$\begin{aligned} 16) \quad & 2x + y = 20 \\ & 6x - 5y = 12 \end{aligned}$$

$$\begin{aligned} 17) \quad & -3x - 4y = 2 \\ & 3x + 3y = -3 \end{aligned}$$

$$\begin{aligned} 18) \quad & -2x + 6y = 6 \\ & -7x + 8y = -5 \end{aligned}$$

$$\begin{aligned} 19) \quad & -5x - 8y = 17 \\ & 2x - 7y = -17 \end{aligned}$$

$$\begin{aligned} 20) \quad & -2x - y = -9 \\ & 5x - 2y = 18 \end{aligned}$$

Solving Systems Through Elimination

1) $-4x - 2y = -12$
 $4x + 8y = -24$

2) $4x + 8y = 20$
 $-4x + 2y = -30$

3) $x - y = 11$
 $2x + y = 19$

4) $-6x + 5y = 1$
 $6x + 4y = -10$

5) $-2x - 9y = -25$
 $-4x - 9y = -23$

6) $8x + y = -16$
 $-3x + y = -5$

7) $-6x + 6y = 6$
 $-6x + 3y = -12$

8) $7x + 2y = 24$
 $8x + 2y = 30$

$$\begin{aligned} 9) \quad & 5x + y = 9 \\ & 10x - 7y = -18 \end{aligned}$$

$$\begin{aligned} 10) \quad & -4x + 9y = 9 \\ & x - 3y = -6 \end{aligned}$$

$$\begin{aligned} 11) \quad & -3x + 7y = -16 \\ & -9x + 5y = 16 \end{aligned}$$

$$\begin{aligned} 12) \quad & -7x + y = -19 \\ & -2x + 3y = -19 \end{aligned}$$

$$\begin{aligned} 13) \quad & 16x - 10y = 10 \\ & -8x - 6y = 6 \end{aligned}$$

$$\begin{aligned} 14) \quad & 8x + 14y = 4 \\ & -6x - 7y = -10 \end{aligned}$$

$$\begin{aligned} 15) \quad & -4x - 15y = -17 \\ & -x + 5y = -13 \end{aligned}$$

$$\begin{aligned} 16) \quad & -x - 7y = 14 \\ & -4x - 14y = 28 \end{aligned}$$

$$\begin{aligned} 17) \quad & -7x - 8y = 9 \\ & -4x + 9y = -22 \end{aligned}$$

$$\begin{aligned} 18) \quad & 5x + 4y = -30 \\ & 3x - 9y = -18 \end{aligned}$$

$$\begin{aligned} 19) \quad & -4x - 2y = 14 \\ & -10x + 7y = -25 \end{aligned}$$

$$\begin{aligned} 20) \quad & 3x - 2y = 2 \\ & 5x - 5y = 10 \end{aligned}$$

$$\begin{aligned} 21) \quad & 5x + 4y = -14 \\ & 3x + 6y = 6 \end{aligned}$$

$$\begin{aligned} 22) \quad & 2x + 8y = 6 \\ & -5x - 20y = -15 \end{aligned}$$

$$\begin{aligned} 23) \quad & -14 = -20y - 7x \\ & 10y + 4 = 2x \end{aligned}$$

$$\begin{aligned} 24) \quad & 3 + 2x - y = 0 \\ & -3 - 7y = 10x \end{aligned}$$