

Name: _____

CLASS WORK

5.4 - 2x2 Systems Mixed - CW

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1. Solve the following system of equations for all the variables:

$$\begin{aligned} -4f - 10p &= -42 \\ 4f + 7p &= 27 \end{aligned}$$

2. Solve the following system of equations for all the variables:

$$\begin{aligned} -6k - 7s &= -77 \\ 9k + 4s &= 83 \end{aligned}$$

3. Solve the following system of equations for all the variables:

$$\begin{aligned} 4n - 6r &= 0 \\ -8n + 8r &= 8 \end{aligned}$$

4. Solve the following system of equations for all the variables:

$$\begin{aligned} 9r + 3t &= 9 \\ 8r + 2t &= 12 \end{aligned}$$

5. Solve the following system of equations for all the variables:

$$\begin{aligned} -8w + 3f &= 53 \\ w + 10f &= -100 \end{aligned}$$

6. Solve the following system of equations for all the variables:

$$\begin{aligned} 4t - 5k &= -6 \\ -7t - 9k &= 46 \end{aligned}$$

7. Solve the following system of equations for all the variables:

$$\begin{aligned} -8r - 8n &= 0 \\ 8r + 7n &= -2 \end{aligned}$$

8. Solve the following system of equations for all the variables:

$$\begin{aligned} -3e - 7d &= -29 \\ 2e - 4d &= -50 \end{aligned}$$

9. Solve the following system of equations for all the variables:

$$\begin{aligned} -5x + 2c &= -51 \\ 5x - 9c &= 107 \end{aligned}$$

10. Solve the following system of equations for all the variables:

$$\begin{aligned} -8k + 4r &= -4 \\ -4k - 5r &= 61 \end{aligned}$$

11. Solve the following system of equations for all the variables:

$$\begin{aligned} -8s - 10n &= -10 \\ -3s - 4n &= -3 \end{aligned}$$

12. Solve the following system of equations for all the variables:

$$\begin{aligned} -7w + 7a &= -28 \\ 5w - 8a &= 2 \end{aligned}$$

13. Solve the following system of equations for all the variables:

$$\begin{aligned}6v - 9n &= 63 \\ 3v + 6n &= -21\end{aligned}$$

14. Solve the following system of equations for all the variables:

$$\begin{aligned}-5n - 10m &= -10 \\ 4n - 8m &= -56\end{aligned}$$

15. Solve the following system of equations for all the variables:

$$\begin{aligned}-4e + 2h &= -10 \\ 6e - 6h &= 0\end{aligned}$$

16. Solve the following system of equations for all the variables:

$$\begin{aligned}-8l + 5v &= -55 \\ l - 6v &= -20\end{aligned}$$

17. Solve the following system of equations for all the variables:

$$\begin{aligned}-6t + 8p &= 50 \\ -8t - 9p &= 47\end{aligned}$$

18. Solve the following system of equations for all the variables:

$$\begin{aligned}9l + 6u &= -24 \\ 7l - 3u &= -11\end{aligned}$$

19. Solve the following system of equations for all the variables:

$$\begin{aligned}-8c + 3p &= 22 \\ -9c - 4p &= 69\end{aligned}$$

20. Solve the following system of equations for all the variables:

$$\begin{aligned}-2e + 7v &= -1 \\ 7e + 3v &= -24\end{aligned}$$

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5.4 - 2x2 Systems Mixed - CWAnswers

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1. $f = -2$ and $p = 5$
2. $k = 7$ and $s = 5$
3. $n = -3$ and $r = -2$
4. $r = 3$ and $t = -6$
5. $w = -10$ and $f = -9$
6. $t = -4$ and $k = -2$
7. $r = -2$ and $n = 2$
8. $e = -9$ and $d = 8$
9. $x = 7$ and $c = -8$
10. $k = -4$ and $r = -9$
11. $s = 5$ and $n = -3$
12. $w = 10$ and $a = 6$
13. $v = 3$ and $n = -5$
14. $n = -6$ and $m = 4$
15. $e = 5$ and $h = 5$
16. $l = 10$ and $v = 5$
17. $t = -7$ and $p = 1$
18. $l = -2$ and $u = -1$
19. $c = -5$ and $p = -6$
20. $e = -3$ and $v = -1$