

Name: _____

CLASS WORK

5.5 - 2x2 Systems No Solutions then Mixed - CW

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

$$\begin{aligned}4l - 2p &= -42 \\ 20l - 10p &= -24\end{aligned}$$

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

$$\begin{aligned}3u - 3d &= 15 \\ 15u - 15d &= 3\end{aligned}$$

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

$$\begin{aligned}8y - z &= -76 \\ 40y - 5z &= -3\end{aligned}$$

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

$$\begin{aligned}-9p - 4y &= 23 \\ -27p - 12y &= -6\end{aligned}$$

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

$$\begin{aligned}-2l - 6j &= 46 \\ -4l - 12j &= -12\end{aligned}$$

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

$$\begin{aligned}8s + 2h &= 20 \\ 24s + 6h &= -1\end{aligned}$$

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

$$\begin{aligned}10a + 2e &= -10 \\ 40a + 8e &= 7\end{aligned}$$

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

$$\begin{aligned}-7h + d &= -2 \\ -14h + 2d &= 10\end{aligned}$$

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

$$\begin{aligned}-10e + 4b &= -30 \\ -2e - 5b &= -64\end{aligned}$$

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

$$\begin{aligned}-3r + 5y &= -59 \\ 7r + 6y &= 14\end{aligned}$$

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

$$\begin{aligned}-8e + 8r &= -48 \\ -10e + 5r &= -40\end{aligned}$$

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

$$\begin{aligned}-9q - 4y &= 17 \\ 5q - 3y &= 1\end{aligned}$$

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

$$\begin{aligned} -10s + w &= 89 \\ -20s + 2w &= -20 \end{aligned}$$

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

$$\begin{aligned} -9q - x &= 55 \\ -45q - 5x &= -10 \end{aligned}$$

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

$$\begin{aligned} 2w + 2i &= -2 \\ -5w - 7i &= 17 \end{aligned}$$

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

$$\begin{aligned} 10r - 5w &= -90 \\ 30r - 15w &= -13 \end{aligned}$$

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

$$\begin{aligned} 10l - 4h &= 44 \\ -9l + 2h &= -38 \end{aligned}$$

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

$$\begin{aligned} -8x - 3s &= 63 \\ -32x - 12s &= -16 \end{aligned}$$

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

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

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

$$\begin{aligned} 4o + 5z &= 42 \\ 6o - 4z &= -52 \end{aligned}$$

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5.5 - 2x2 Systems No Solutions then Mixed - CWAnswers

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1. $l = -6$ and $p = 9$
2. $u = 8$ and $d = 3$
3. $y = -10$ and $z = -4$
4. $p = -3$ and $y = 1$
5. $l = -8$ and $j = -5$
6. $s = 3$ and $h = -2$
7. $a = -2$ and $e = 5$
8. $h = 0$ and $d = -2$
9. $e = 7$ and $b = 10$
10. $r = 8$ and $y = -7$
11. $e = 2$ and $r = -4$
12. $q = -1$ and $y = -2$
13. $s = -8$ and $w = 9$
14. $q = -7$ and $x = 8$
15. $w = 5$ and $i = -6$
16. $r = -8$ and $w = 2$
17. $l = 4$ and $h = -1$
18. $x = -9$ and $s = 3$
19. $w = -3$ and $j = 1$
20. $o = -2$ and $z = 10$