

Date: ___/___/_____

Period: ___

Name: _____

System of Equation Review Al 9.0

Answer each question carefully. Show your work!!!

1.
$$\begin{aligned} -4i + 2h &= -10 \\ -8i &= -4h + 8 \end{aligned}$$

- [A] $(h, i) = (4, 8)$
- [B] $(h, i) = (3, 1)$
- [C] No Solution
- [D] All Real Numbers

2.
$$\begin{aligned} 10z + 5y &= 0 \\ -10z &= 5y \end{aligned}$$

- [A] $(y, z) = (4, 7)$
- [B] $(y, z) = (-5, -9)$
- [C] No Solution
- [D] All Real Numbers

3.
$$\begin{aligned} -4j &= 5i - 9 \\ 5j + 3i &= -5 \end{aligned}$$

- [A] $(i, j) = (-5, -2)$
- [B] $(i, j) = (5, -4)$
- [C] $(i, j) = (5, 2)$
- [D] $(i, j) = (-3, -4)$

4.
$$\begin{aligned} -4y &= z + 4 \\ 4z &= -10y + 2 \end{aligned}$$

- [A] $(y, z) = (-10, 9)$
- [B] $(y, z) = (-3, 8)$
- [C] No Solution
- [D] All Real Numbers

5.
$$\begin{aligned} 3c - 2b &= 2 \\ 4b &= 3c + 1 \end{aligned}$$

- [A] $(b, c) = (3/2, 5/3)$
- [B] $(b, c) = (4/5, -1/8)$
- [C] No Solution
- [D] All Real Numbers

6.
$$\begin{aligned} 2g + 6h &= -6 \\ -3h - g &= 3 \end{aligned}$$

- [A] $(g, h) = (-9, -8)$
- [B] $(g, h) = (6, -3)$
- [C] No Solution
- [D] All Real Numbers

7.
$$\begin{aligned} 10t &= -4u + 4 \\ 5t &= -2u + 9 \end{aligned}$$

- [A] $(t, u) = (-1, 8)$
- [B] $(t, u) = (6, -9)$
- [C] No Solution
- [D] All Real Numbers

8.
$$\begin{aligned} -10e + 6f &= 0 \\ -8e &= -4f + 4 \end{aligned}$$

- [A] $(e, f) = (-10, -1)$
- [B] $(e, f) = (-5, 6)$
- [C] $(e, f) = (-3, -5)$
- [D] $(e, f) = (-7, -3)$

9.
$$\begin{aligned} 4t - 10u &= -5 \\ -7u &= -3t - 3 \end{aligned}$$

- [A] $(t, u) = (5/2, 3/2)$
- [B] $(t, u) = (-2/3, -5/8)$
- [C] No Solution
- [D] All Real Numbers

10.
$$\begin{aligned} 6b - 7a &= 4 \\ 8a - 6b &= 4 \end{aligned}$$

- [A] $(a, b) = (4, -7)$
- [B] $(a, b) = (2, 0)$
- [C] $(a, b) = (0, 1)$
- [D] $(a, b) = (8, 10)$

1. C
2. D
3. B
4. B
5. A
6. D
7. C
8. C
9. A
10. D