

Solve the system of equations by finding the reduced row echelon form for the augmented matrix using a graphing calculator.

1	$2x - 3y = -13$ $4x + y = -5$
2	$x + 2y - z = 3$ $3x + 7y - 3z = 12$ $-2x - 4y + 3z = -5$
3	$2x - y = 10$ $x - z = -1$ $y + z = -9$
4	$2x + y + 2z = 8$ $-w + 3x + 2y - z = 10$ $-3w - 2x + y = -1$ $-5w + 4x - 3y + 2z = 39$

Solve the system of equations by finding a row echelon form for the augmented matrix. NO CALCULATOR!!

5	$3x - 2y = 5$ $-x + 5y = 7$
6	$2x - y + z = -6$ $x + 2y - 3z = 9$ $3x - 2y + z = -3$
7	$x + 4y - 2z = 0$ $2x + y + z = 6$ $-2x + 3y - 5z = -13$

Answers:

1) $(-2, 3)$	2) $(-2, 3, 1)$	3) $(0, -10, 1)$	4) $(-3, 4, -2, 1)$
5) $(3, 2)$	6) $(-2, -5, -7)$	7) $\left(3, -\frac{1}{2}, \frac{1}{2}\right)$	