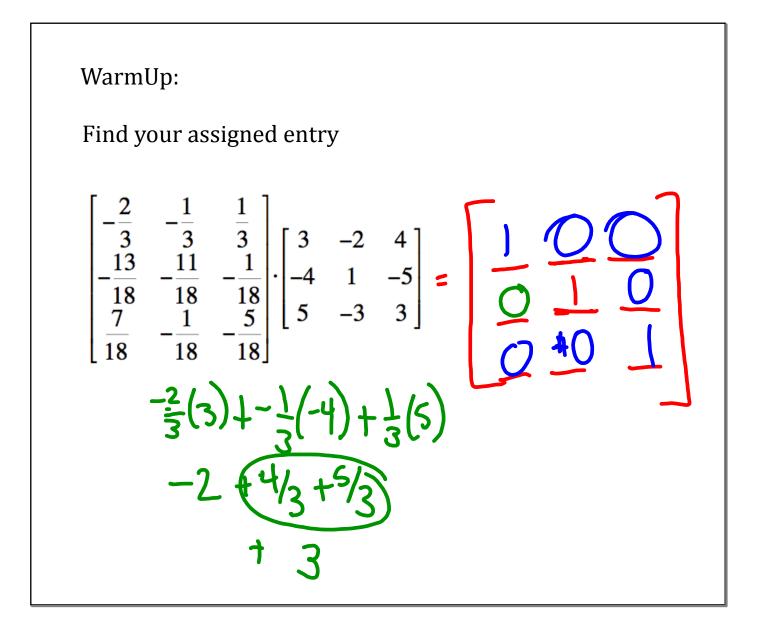
HAT Solving Systems with Inverse Matrices

9/13/17



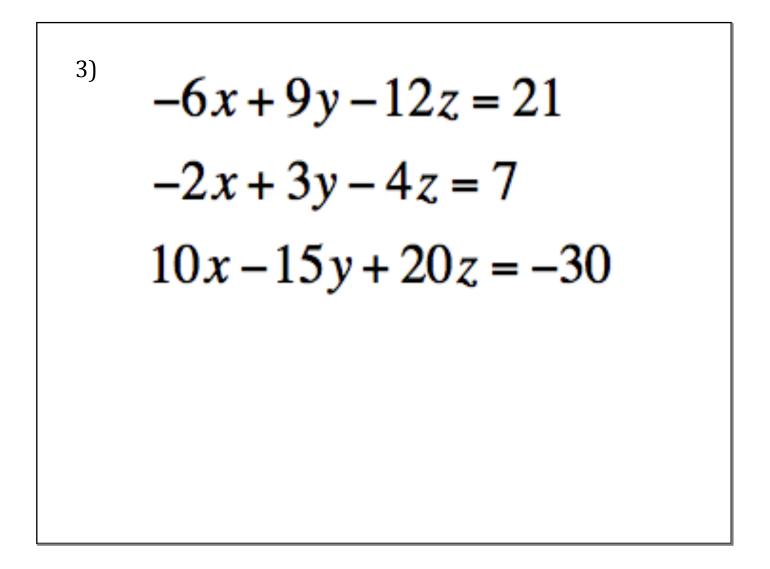
These problems are from the 9/6/17 handout on Solving Systems of Linear Equations. At the time, we solved using ELIMINATION.

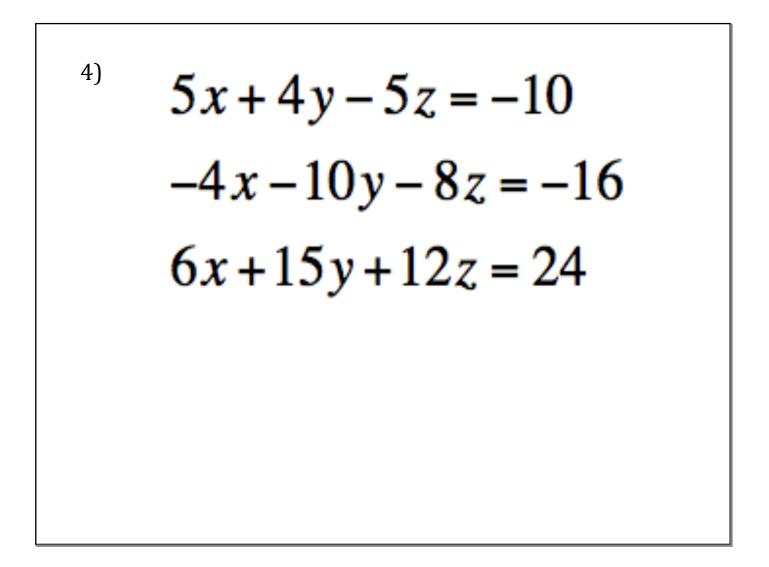
1) 3x - 2y + 4z = 35-4x + y - 5z = -36

$$5x - 3y + 3z = 31$$

2)
$$4x - 3y + 6z = 18$$

 $-x + 5y + 4z = 48$
 $6x - 2y + 5z = 0$





⁵⁾
$$3v - 5x + 2x + 4y + z = 35$$

 $2v + 4w - x - 3y + 6z = -16$
 $4v - 2w - 3x + y + 2z = 18$
 $-5v + w + 4x - y - 3z = -18$
 $-2v + 5w + 6x - 2y + z = -19$
 $(4, -2, 1, 3, -1)$

Calculator Competencies:

Enter a Matrix Find an Inverse Matrix Find a Determinant Solve a System Using the Inverse Matrix

