AA2   **Using Cramer's Rule to Solve 3X3 Systems**   Name_____

Week 6 Tuesday

Example: $-2x + y - z = 7$

$\qquad -x - 3y + z = -10$ D=

$\qquad 3x \quad + \quad 6z = -24$

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Dx =

_____

Dy=

_____

Dz =

$\qquad$ **Example Answer**:

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Homework: Use Cramer's Rule to solve each system of Equations.

1. $\qquad x - y - 2z = 4$

$\qquad -x + 2y + z = 1$ D=

$\qquad -x + y - 3z = 11$

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Dx =

_____

Dy=

_____

Dz =

$\qquad$ **#1 Answer**:

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2. $x + 4y - 5z = -7$
      $3x + 2y + 3z = 7$ D=
      $2x + y + 5z = 8$

      _____

      Dx =

      _____

      Dy=

      _____

      Dz =

#2 Answer:

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3. $x + 2y = 2$
      $2x + 3y - z = -9$ D=
      $4x + 2y + 5z = 1$

      _____

      Dx =

      _____

      Dy=

      _____

      Dz =

#3 Answer: