**2x2s –** (x,y)

1. Solve the following systems of equations **algebraically**:

$$\left(x-3\right)^{2}+ \left(y-1 \right)^{2}=16$$

$$2x-2y= -4$$

1. 

**3x3s –** (x,y,z)

1. Determine the **correct solution** to the given system:

$$x-3y+3z= -4$$

$$2x+3y-z= 15$$

$$4x-3y- z= 19$$

1. Solve the following system of equations



1. Which values should be given to a, b, and c so that the linear system shown has (-1, 6, 1) as its only solution?

6r − s + 3t = a

5r + 5s − 5t = b

3r − s + 4t = c

1. Solve the following system:

$$x +y-z= -1$$

$$2x-2y+3z=8$$

$$2x-y+2z=9$$

**Using Calculators** – 2nd trace intersect

1. If $f\left(x\right)= x^{2}-11$ and $g\left(x\right)= -2- \frac{3}{5}x, $then use your calculator to determine the solution(s) of $f\left(x\right)=g\left(x\right)$ **to the nearest tenth.**
2. For which values of *x*, rounded to the *nearest hundredth*, will ?

|  |  |  |  |
| --- | --- | --- | --- |
| 1) | 2.29 and 3.63 | 3) | 2.84 and 3.17 |
| 2) | 2.37 and 3.54 | 4) | 2.92 and 3.06 |