What are the $x$ and $y$-intercepts of the following. You may need to recall the $x$-value for a $y$-intercept \& the $y$-value for a x-intercept.
$\begin{array}{cr}\begin{array}{l}x \text {-int, } y=0 \\ 3 x-12 x-12 y=-24\end{array} & 3(0)-72 y=-24 \\ \frac{3 x}{3}=-\frac{24}{3} & \frac{-12 y}{3}=-\frac{24}{-12}-12 \\ x=-8 & y=2\end{array}$

## I will collect any re-works you have completed.

## Working with shapes and numbers....what is the value of each shape?

|  |  |  | Row sum $=46$ |
| :---: | :---: | :---: | :---: |
|  |  |  | Row sum $=27$ |
|  |  |  | Row sum = 32 |
|  |  |  | Row sum = 37 |
| Column sum $=55$ | Column sum $=46$ | Column sum $=41$ |  |

Bell Work 4/24/2015


## Part 1 (Complete in Class)

Find the value of each shape so that they will add up to give you the specified sums in each row and each column.

|  |  |  | Row sum $=46$ |
| :---: | :---: | :---: | :---: |
|  |  |  | Row sum $=27$ |
| $14$ |  |  | Row sum $=32$ |
| $14$ |  |  | Row sum $=37$ |
| Column sum $=55$ | Column sum $=46$ | Column sum $=41$ |  |







## Part 2

Drawing your own shapes
For each of the following systems of equations, draw out the equations using shapes
$\square, \square$ to help you find their values! (The first one is started for you.)

1. Equations:

Drawing:

2. Equations: Drawing:

$\square x=18$
$0 y=14$
$\Delta z=9$
3. Equations:

Drawing:


$$
\begin{aligned}
& x= \\
& y=8 \\
& z=
\end{aligned}
$$




