**Algebra 1CP Spiral Review Project – Graphing Linear Equations given all 3 forms.**

**Directions: Graph the following equations on graph paper.**

1. $y=x+4$
2. $y=-2x-1$
3. $x+y=-3$
4. $y=2x+1$
5. $y=-3x+2$
6. $4x+2y=8$
7. $3x-5y=15$
8. $3x+9y=18$
9. $y-9=4\left(x-1\right)$
10. $y+2=3\left(x-2\right)$
11. $y-4=-4\left(x+5\right)$
12. $y+2=-2\left(x-3\right)$

**Directions: Write an equation of the line that has each pair of intercepts.**

1. $x-intercept:2, y-intercept:-5$
2. $x-intercept: -4, y-intercept: -3$

**Directions: Write the point-slope form of an equation for a line that passes through each point with the given slope.**

1. $\left(-6,7\right), m=0$
2. $\left(4,9\right), m=\frac{3}{4}$

**Directions: Write each equation in standard form.**

1. $y+2=-3\left(x-1\right)$
2. $y-4=\frac{5}{3}\left(x+3\right)$

**Directions: Write each equation in slope-intercept form.**

1. $y+4=4\left(x-2\right)$
2. $y-6=3\left(x-\frac{1}{3}\right)$

**This is going under the category of projects. For those of you who either did not do well on the first two projects, or didn’t turn in one or the other or both, this is a great opportunity to improve your grade. Remember that projects go toward 30% of your semester grade.**