Final Review Day 1

Name\_\_\_\_\_CLASS COPY DON’T WRITE ON ME\_\_\_\_\_ Date\_\_\_\_\_\_\_ Class\_\_\_\_\_\_\_\_\_\_

1. In *y=mx+b* which are variables and which are supposed to be numbers?

What does *m* and *b* stand for?
2. Graph the following:
a)$ y=x$ Why is this called the parent function?
b) $y=-2x+5$
c) $y=\frac{2}{3}x-7$
d) $4x-2y=10$
e) $10x+3y=12$
f) If a math equations can be made to look like $y=mx+b$, the shape of the graph will be what?
3. In$ y=a\left|x-h\right|+k$ which are variables and which are supposed to be numbers?

What does *a, h,* and *k* do for us?
4. Graph the following:
a) $y=\left|x\right|$ Why is this called the parent function?
b) $y=2\left|x+5\right|-1$
c) $y=\frac{2}{3}\left|x-2\right|+4$
d) $-2y=4\left|x-1\right|+6$
e) If a math equation can be made to look like $y=a\left|x-h\right|+k$, the shape of the graph will be what?