Class \#29 - Fri Nor 5

Todoy:

- "Civeles" Example ( $C_{t} S!$ )
- "NonldienSysters"
(cantld from yosterdey)
7 \# 1 + \#2: Tuosdey in cless
- 4 - $\# 4$ : todry oxtra oresit rewrite ait (fora arde) in "staniontin"

Circles \#3
Given: $\left.\left[x^{2}-8 x+\right]+\left[y^{2}+16 y+\right]+64\right\}=8-64$
Step 1: Mare constant term to Rrerits.
Step 2: CtS !! (and add those \#s to RHS too!!)

$$
\begin{aligned}
& {\left[x^{2}-8 x+\left[\frac{16}{}\right]+\left[\begin{array}{l}
{\left[y^{2}+\left(16 y+\frac{64}{y}\right]=\right.} \\
0_{c}=\left(\frac{16}{2}\right)^{2}=64 \\
\\
+=(16+64
\end{array}\right.\right.} \\
& \text { (quadelors). }
\end{aligned}
$$

Step 3 : Factor the resulting "perfect square trinamides

$$
\begin{gathered}
(x-4)(x-4)+(y+8)(y+8)=16 \\
\sqrt{(x-4)^{2}+(y+8)^{2}}=16
\end{gathered}
$$

