

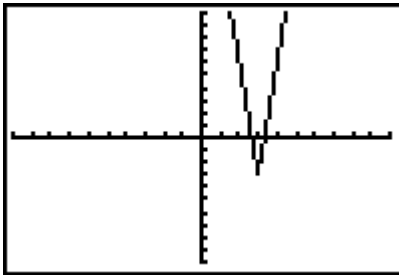
Absolute Value Facts

- To get the answer to the following questions, first key in the expression in O . Use the $\text{abs}()$ function from the CATALOG. Press y [CATALOG] and it is the first option.

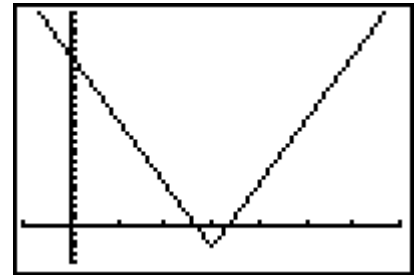
```
Plot1 Plot2 Plot3
\Y1=3abs(3(X-3))-3
-3
\Y2=
\Y3=
\Y4=
\Y5=
\Y6=
```

```
CATALOG
▶abs(
and
angle(
ANOVA(
Ans
augment(
AxesOff
```

- Set the ρ using the Q option, and the Q \hat{A} if you cannot see the "V". Adjust the ρ manually until happy.

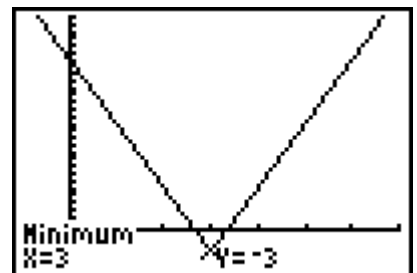
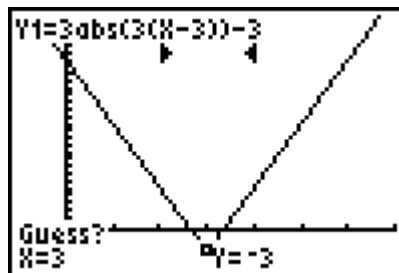
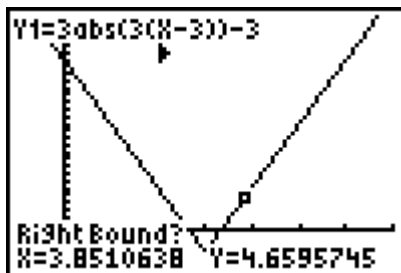
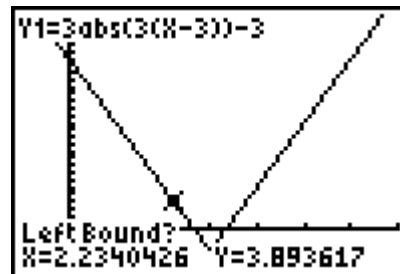


```
WINDOW
Xmin=-1
Xmax=7
Xscl=1
Ymin=-5
Ymax=30
Yscl=1
Xres=1
```

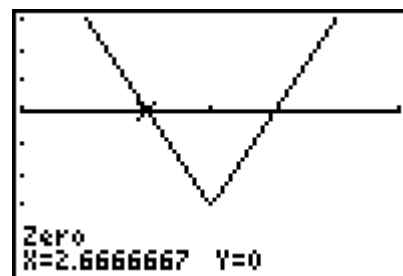
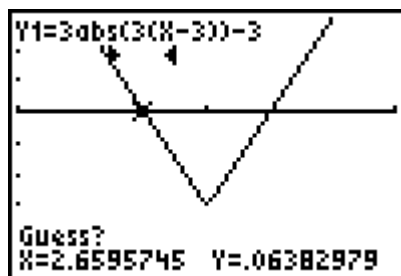
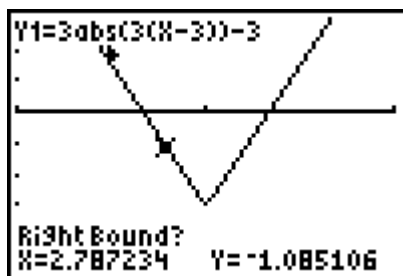
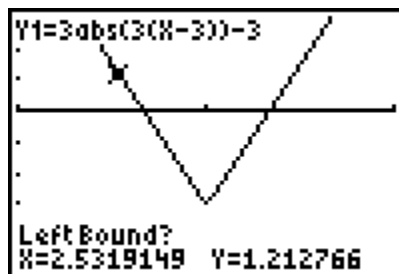
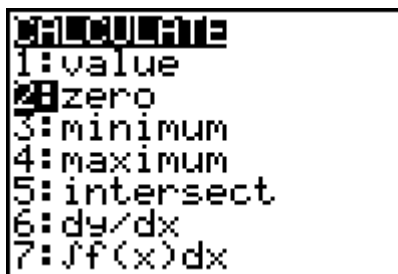


- To get the Minimum (or Maximum) select the appropriate option from the CALCULATE Menu. In this case y [CALC] \hat{A} . Answer the 3 questions and report the point.

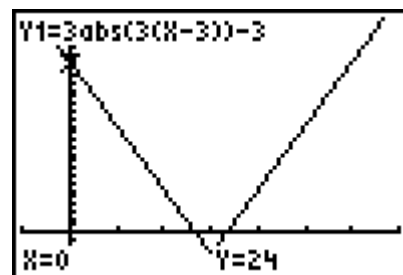
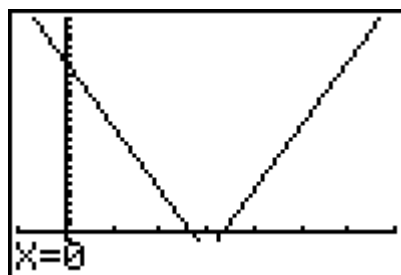
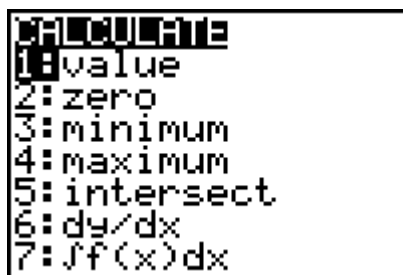
```
CALCULATE
1:value
2:zero
3:minimum
4:maximum
5:intersect
6:dy/dx
7:∫f(x)dx
```



- To get the X-Intercept(s), follow the same procedure as above, selecting option 2:zero from the CALCULATE Menu. Press y [CALC] \hat{A} .



- To get the Y-Intercept, recall that the value of X at the Y-Axis is Zero, so select 1:value from the CALCULATE Menu. Press y [CALC] \hat{A} \hat{E} .



- For the slope, select option 6:dy/dx from the CALCULATE Menu, and then move the cursor to the side you want the slope of. Press y [CALC] \rightarrow | | | ... \uparrow . Repeat for the other side, as needed.

