AP Calc AB

Graphing Calculators

8/11/15

Agenda: 8/11/15
- HW Leader
- Graphing Calc Activity

★ Quiz 1 on Friday

Period 3: Michael Scott

Period 4: Joseph DeSimone

T/F The range of $g(w) = \log_{14}(w)$ is $\{y \in \mathbb{R} \mid y \geq 0\}$.

- Go through together

1a. Graph: $y = x^3 - 5x + 3 = f(x)$

1g. Find zeros:

1b. Find $f(2)$

1c. Find the local minimum

1d. Find the local maximum

1e. Also graph $y = 2x$
Find the 3 intersection points

2. Graph just
$y = 5x^3 - 22x^2 + 5x - 2$

Change window to
$[-1, 5] \times [-60, 5]$

Xscl = 1 Yscl = 5

3a. Graph just $y = 2x^2 + 5x - 2$
- Zstandard
- trace

3b. Zoom → Z Decimal
- trace

3c. Zstandard then Zsquare

3d. Zoom → Z Integer
choose (0, 0)
- trace

4. Put in Degree mode
graph $y = 2\sin(x)$
Zoom → Ztrig
[or put in radian mode]

Do HW