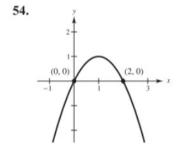


p175 evens 37-42 (use calcchat for odds please)

- **36.** In the interval (0, 6):  $c = 2\sqrt{3}$ .
- 401  $c = \sqrt[3]{2}$
- **42.**  $f(x) = \frac{x+1}{x}$  is not continuous at x = 0. The Mean Value Theorem does not apply.

p 192 15-22, 53-54 evens (calcchat for odds)

- Concave upward:  $(-\infty, 2)$ Concave downward:  $(2, \infty)$ Point of inflection: (2, 11)
  - Concave upward:  $\left(-\infty, \frac{3}{2}\right)$ ,  $(2, \infty)$ Concave downward:  $\left(\frac{3}{2}, 2\right)$ Points of inflection:  $\left(\frac{3}{2}, -\frac{1}{16}\right)$ , (2, 0)
- Concave downward:  $(-\infty, \infty)$ No points of inflection
  - **22**Concave downward: (-∞, 9)
    No point of inflection



## What's on Thursday's assessment?

NYD-AD10-11-12: Concavity

D-CD8: Mean Value Theorem

D-AD789 from last test

D-AD5: Implicit Differentiation from last test

Skills tested only once this quarter:

D-AD2: basic derivatives

D-AD2b: adv derivatives

D-AD3: prod/quotient rule

D-AD17: motion

D-CD5: horiz/vert tangents

D-AD0: l'Hopital's Rule

can upgrade to 100 if currently a 96

without hw

grade not good? need to do retake

as these won't be on any more tests