AP Calculus AB

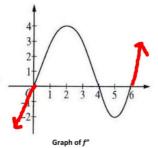
Last day to pay AP fees is tomorrow!

Please get out the multiple choice test from Friday (Due Weds.) have a couple of corrections to make Reminder: AP test is

- 28 MC questions, 50 min (no calc)
- 17 MC questions, 50 min (calc ok)
- 6 Free Response Q's, 90 min (2 calc ok, 4 no calc)

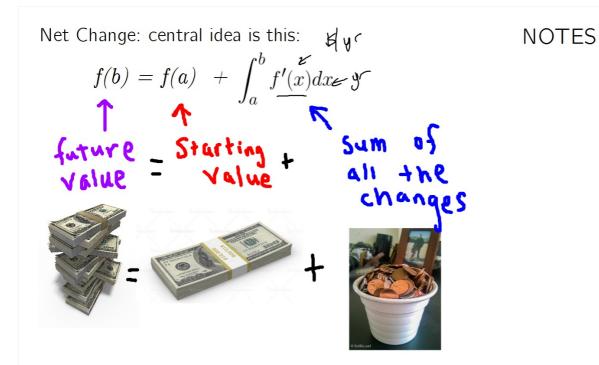
#11: $\sqrt{3x+2} \, dx$, u= 3x+2

#21: Add these:



#27:

"...what is the value of g'(29)?



Net Change

Let R'(t) model the rate at which our retirement fund earns money in thousands of dollars per year after 2000 (t=0).

$$R'(t) = 2\sin\left(\frac{\pi t}{6} - 13\right) + 1$$

In 2000, the fund had \$25,000 in it. How much money is in the fund in 2008? In 2016?

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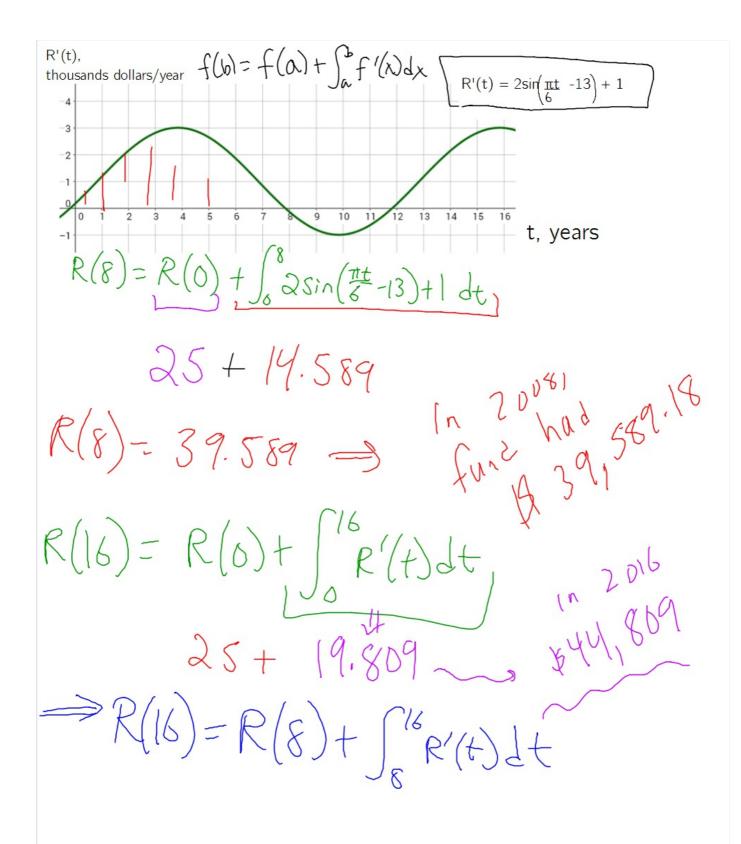
In 2000, the fund had \$25,000 in it. How much money is in the fund in 2008? In 2016?

Translate into math

$$R(\delta) = 25$$

$$R(8) = ?$$

$$R(6) = ?$$

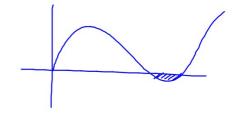


How much money was "earned" in the recession?

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$$\begin{bmatrix} 8_1 & 12 \end{bmatrix}$$

$$\int_8^{12} R'(t) dt = -2.589$$

$$\Rightarrow 2.589$$



Write an equation for R(x) which will calculate how much money is in the fund for any year after 2000 (x=0).

year after 2000 (x=0).
$$\int_{0}^{1} \left(R(x) = R(0) + \int_{0}^{1} 2\sin\left(\frac{\pi}{b}t - 13\right) + 1 \right) dt$$

$$R'(x) = 0 + 24n\left(\frac{\pi}{b}x - 13\right) + 1$$

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$$R'(x) = 0 + 24n(\frac{7}{6}x - 13) + 1$$

Approximately when is the money in the fund a maximum? A minimum?

Homework:
Finish multiple choice AP no calculator test from 2003. Please record answers on to scantron.