

Information

- **Practice Test 4** counts as an online quiz.
- The **Practice Final Exam** counts as TWO online quizzes.
- Anyone making 95% or above on the **Final Exam** will receive an A in this class.
- Anyone making at least 70% on the **Final Exam** will pass this class.
- **Test 4, the Final Exam, Quiz 14, Practice Test 4** and the **Practice Final Exam** constitute over 1/2 of your grade in this class. Everyone can still make a good grade!

Today: Several Popper Questions will be given that can be used to replace an EMCF and an Online Quiz.

You Have Come a Long Way!

EMCFs - 42
Poppers - 36
Online Quizzes - 14
Practice Tests (counting as online quizzes) - 4
Practice Final Exam (counting as 2 online quizzes) - 1
Quizzes in lab/workshop - 14
Homework assignments - 12
Tests - 4
Final Exam - 1

Not everyone can do this,
but you can!

Total Items - 128

Finish Strong!!

Popper P36

1. Give the area bounded between the graphs of $y = x$ and $y = x^2$.

Popper P36

2. Give the area bounded between the graphs of $y = 4x$ and $y = x^3$.

Popper P36

3. Give the average value of the function $f(x) = x^2 - 4x$ on the interval $[-1, 3]$.

Popper P36

4. Give the volume generated when the region bounded between $y = x$ and $y = x^2$ is rotated around the y -axis.

Popper P36

5. Give the volume generated when the region bounded between $y = x$ and $y = x^2$ is rotated around the x -axis.

Popper P36

6. Give the upper Riemann sum associated with the function $f(x) = 1 - |x|$ on the interval $[-1, 1]$ with respect to the partition $P = \{-1, -1/2, -1/4, 1/4, 1/2, 1\}$.

Popper P36

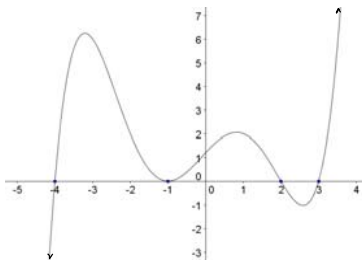
7. Give the lower Riemann sum associated with the function $f(x) = 1 - |x|$ on the interval $[-1, 1]$ with respect to the partition $P = \{-1, -1/2, -1/4, 1/4, 1/2, 1\}$.

Popper P36

8. $f(x) = \frac{d}{dx} \int_{-2x}^{3x} \cos(t^2 + 1) dt$. $f'(1) =$

Popper P36

9. The graph of f is shown below. $\int_{-4}^{-1} f(x) dx = 9.5$, $\int_{-4}^2 f(x) dx = 13$, $\int_{-1}^3 f(x) dx = 2.75$.
Give the area bounded between the x -axis and the graph of f .



Popper P36

10. The graph of the derivative of f is shown below. Give the largest value of x where f has a local maximum.

