Today: Section 6.1

- Test 4: Dec. 6 8
- Final Exam: Dec. 17 19
- change
- Dates are subject to slight modification...
- Homework and an EMCF are Due on Monday.
- An EMCF is due on Wednesday (even though we do not have class).
- Homework and an EMCF are due on the Monday following the break.



Happy Birthday Christine!!

Review Example: Give the average value of the function $f(x) = x^2$ on the interval [-1,2], and determine the number of values where f achieves this average value on this interval. Solve $\chi^2 = 1$ for $-1 \le \chi \le 2$ $\chi = \pm 1$ \leftarrow both are in this interval.

Review

Theorem: (The mean value theorem for integrals.) Suppose f is a continuous function on the interval [a,b]. Then there is a value c so that a < c < b, and

$$f(c) = \frac{1}{b-a} \int_{a}^{b} f(x) dx$$

the average value of f on [a,b]

Free Friday!! Popper P29

1. 3 + 4 =







