

## Announcement

1. Final will be held on **Monday, May 5, 10:10-12:10** at **Arena, section P** (*Use Odd Numbered Seats*) Please bring your **pencil, calculator, and ID** to the final.
2. It is a policy of the university that no final examination be given prior to the scheduled final examination period.

April 28, 2008

## Announcement

### Help Session

**Wednesday (April 30)**  
**4:00 to 6:00PM at Lawson 221.**  
**Final: Monday, May 5, 10:10-12:10, ARENA,**

**Answer Key for the final review:** 1B, 2C, 3C, 4D, 5A, 6C, 7B, 8B, 9B, 10A, 11B, 12C, 13C, 14C, 15B, 16C, 17A, 18D, 19D, 20B, 21B, 22B, 23C, 24B, 25A, 26B, 27C, 28B, 29C, 30C, 31B, 32C, 33B, 34C, 35C.

The nominal rate for a year is called the **annual (percentage) rate (APR)**. The effective rate is called the **annual (equivalent) yield or annual percentage yield (APY)**.

## A Review Question about APR & APY

Consider a loan at 5% interest, compounded monthly. Which is true?

- A) The APY is 5%, the APR is higher.
- B) The APR is 5%, the APY is higher.
- C) Both the APR and the APY are higher than 5%.
- D) Both the APR and the APY equal 5%.

## “You should make it” Question

A local cafeteria offers a choice of 5 meats, 6 vegetables, and 3 salads. A complete dinner includes 1 meat, 1 vegetable, and 1 salad. How many different dinners can be created?

- A) 14
- B) 45
- C) 90
- D) 120

## “You should make it” Question

How many votes are needed for a majority winner if there are 24 voters?

- A) 11
- B) 12
- C) 13
- D) 24

## “You should make it” Question

A flashlight manufacturer sets aside a production line for the assembly of 2000 flashlights to fill a special order. Ninety of these flashlights are selected at random from the production line to be tested, and 15 are found to be defective. The population is

- A) the 15 defective flashlights.
- B) the 90 flashlights tested.
- C) the 2000 flashlights produced for this order.
- D) all flashlights produced by the manufacturer.

### ``You should make it'' Question

A poll of 80 students found that 20 were in favor of a fee increase to support extra maintenance of gardens on campus. In the example, the sample proportion is

- A) 20%.
- B) 8%.
- C) 80%.
- D) 25%.

### ``You should make it'' Question

If there is a 0.8 probability of rain today, what is the probability it will not rain?

- A) 0.8
- B) 0.5
- C) 0.2
- D) 0.1

### ``You should make it'' Question

A dummy medication (such as a salt tablet) will often help a patient who trusts the doctor who administers the medicine. This is called

- A) confidentiality.
- B) double blindness.
- C) confounding variables.
- D) the placebo effect.

### ``You should make it'' Question

Given the set of data below, find the mean.  
2, 4, 4, 5, 6, 9

- A) 4.5
- B) 5
- C) 7
- D) 30

### ``You should make it'' Question

Given the set of data below, find the median.  
25, 16, 50, 19, 42, 37

- A) 34.5
- B) 31
- C) 31.5
- D) 50

### ``You should make it'' Question

Two fair dice are rolled and the sum rolled is recorded. Find the probability that the sum is 4.

- A)  $\frac{1}{3}$
- B)  $\frac{1}{12}$
- C)  $\frac{4}{11}$
- D)  $\frac{1}{9}$