

circle your section

2 Tues 11:20

3 Thur 12:50

4 Tues 5:30

PRINT your Name:

1. The participants in a meeting are trying to decide what breakfast snack to have along with the coffee and tea at the morning break. After bickering for some time, they decide to use approval voting. The votes fall as follows:

- Three people approve of bagels, fruit, and muffins.
- Two people approve of bagels and donuts.
- Four people approve of donuts only.
- Two people approve of bagels and muffins.
- One person approves of Captain Crunch cereal.

Which snack should they offer, according to the approval voting method?

bagels fruit donuts muffins Captain Crunch

2. If $5^{2t} - 4 = 100$, then

$$t = \pm \sqrt{\frac{104}{5}} \quad t = \sqrt{\frac{104}{\log 5}} \quad t = \frac{\log 104}{2 \log 5} \quad t = \frac{2 \log 104}{\log 5} \quad t = \frac{1}{2} \log 20 + 4$$

3. I borrowed \$1000 for 9 months, agreeing to pay simple interest at a rate of 4% per year. If I borrowed the money on January 1, 2003, what is the total amount of money I need to pay on October 1, 2003?