Advice from Student Tutor:
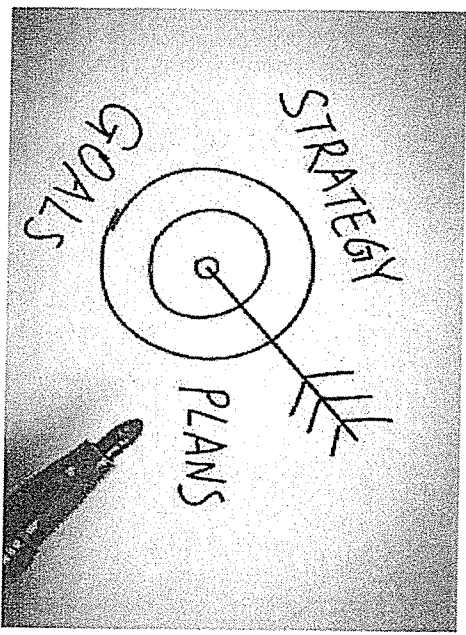
Just 3 months until SAT testing!

Make practicing SAT Math and developing strategy your RESOLUTION!

STRATEGY
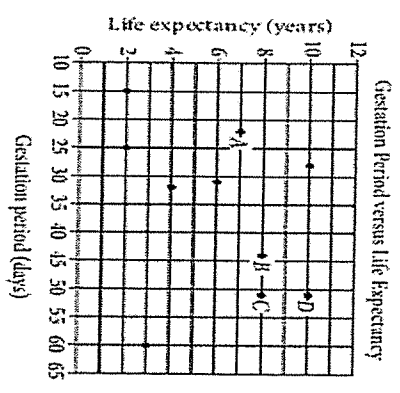GOALS
PLANS

WITHOUT STRATEGY...

? level of difficulty	Your gut looks for: Time you spend:		How you'll do:
Easy	What seems right	Very little	Mostly right
Medium	What seems right	Not much	Ehh so-so
Difficult	What seems right	Too much	All wrong!

WITH STRATEGY...

? level of difficulty	BRAIN looks for:	Time you spend:	How you'll do:
Easy	Correct answer	Enough to avoid errors	Mostly right
Medium	Wrong answers	Most of your time	Better than B4!
Difficult	Wrong answers	Any time left	Better than B4!

Monday

Gestation Period versus Life Expectancy

Life expectancy (years)

Gestation period (days)

A curator at a wildlife society created the scatterplot above to examine the relationship between the gestation period and life expectancy of 10 species of animals.

What is the life expectancy, in years, of the animal that has the longest gestation period?
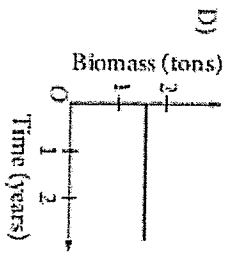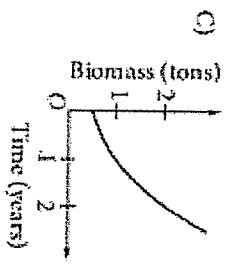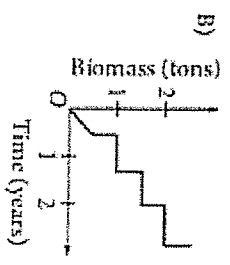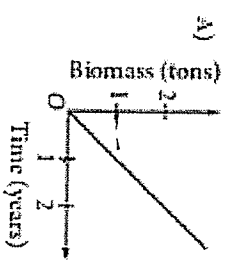
a) 3
b) 4
c) 8
d) 10

Why is this question tricky?

Mathematician: ____

CALCULATOR ALLOWED!

Tuesday

The mass of living organisms in a lake is defined to be the biomass of the lake. If the biomass in a lake doubles each year, which of the following graphs could model the biomass in the lake as a function of time? (Note: In each graph below, O represents (0, 0).)

A)
Biomass (tons)
Time (years)

B)
Biomass (tons)
Time (years)

C)
Biomass (tons)
Time (years)

D)
Biomass (tons)
Time (years)

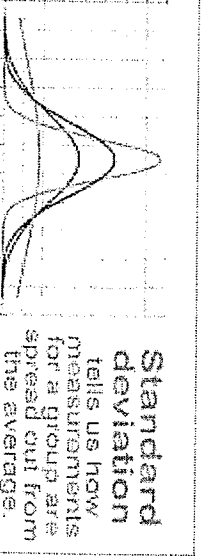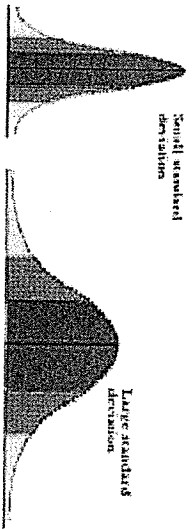**Tell why the other 3 graphs are incorrect:**
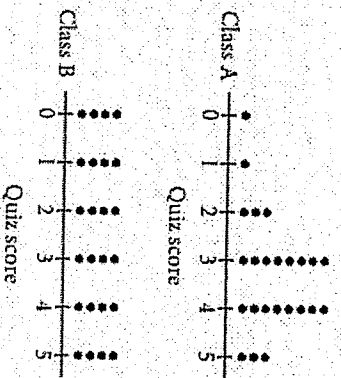
Wednesday

REMEMBER

You won't be asked to calculate the standard deviation of a set of data on the SAT Math Test, but you will be expected to demonstrate an understanding of what standard deviation measures.

PRACTICE AT
satpractice.org

When asked to compare the standard deviations of two data sets, first locate the mean approximately. Then, ask yourself which data set has values that are more closely clustered around the mean. That data set will have the smaller standard deviation.

Small standard deviation

Large standard deviation

Standard deviation tells us how measurements for a group are spread out from the average.

Thursday

Class A

Quiz score
0 1 2 3 4 5

Class B

Quiz score
0 1 2 3 4 5

The dot plots above show the distributions of scores on a function families quiz for two classes of 24 students. Which of the following correctly compares the standard deviation of the scores in each of the classes?

a) the standard deviation of quiz scores in Class A is smaller.

b) the standard deviation of quiz scores in Class B is smaller.

c) the standard deviation of quiz scores in Class A and Class B are the same.

d) The relationship cannot be determined from the information given.

Friday

The tables below give the distribution of high temperatures in degrees Fahrenheit (°F) for City A and City B over the same 21 days in March.

City A

Temperature (°F)	Frequency
80	3
79	14
78	2
77	1
76	1

City B

Temperature (°F)	Frequency
80	6
79	3
78	2
77	4
76	6

Which of the following is true about the data shown for these 21 days?

A) The standard deviation of temperatures in City A is larger.

B) The standard deviation of temperatures in City B is larger.

C) The standard deviation of temperatures in City A is the same as that of City B.

D) The standard deviation of temperatures in these cities cannot be calculated with the data provided.