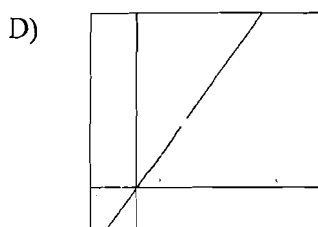
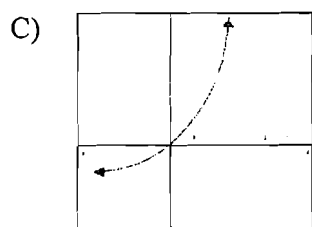
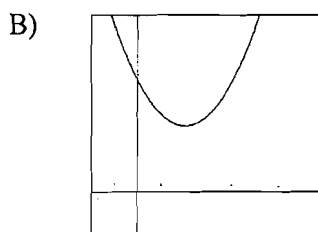
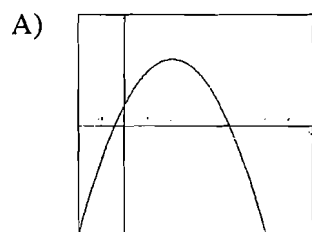
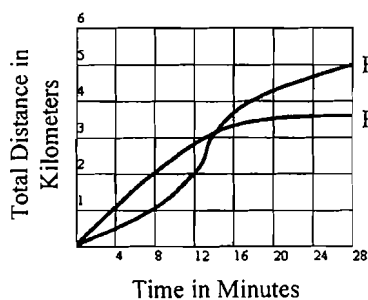


111) Which graph has a maximum of 3?



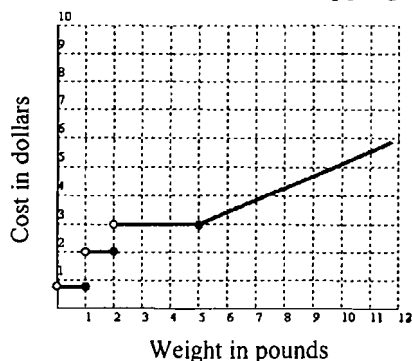
112) The total distances covered by two runners during the first 28 minutes of a race are shown in the graph. How long after the start of the race did one runner pass the other?



- A) 3 minutes      B) 8 minutes  
 C) 12 minutes    D) 14 minutes  
 E) 28 minutes

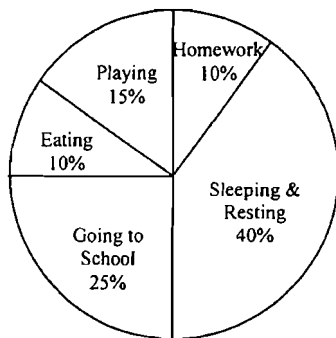
**Pre-Calculus/Trig. 3**  
**PSSA/SAT Review Packet**

- 113) The graph below represents the cost of shipping a package. What is the approximate difference in cost of shipping 2 five-pound packages as opposed to 1 ten-pound package?



- A) \$1      B) \$2  
 C) \$8      D) \$9

- 114) The figure shows how Mary spent her time one day. What percent of time altogether did she spend playing and doing homework?



- A) 10%      B) 15%  
 C) 20%      D) 25%  
 E) 30%

- 115) A certain company keeps a list of 50 employees and their annual salaries. When the salary of the very highly paid president is added to this list, which of the following statistics is most likely to be approximately the same or nearly the same for the original list and the new list?

- A) the highest salary      B) the range      C) the mean  
 D) the median      E) the standard deviation

- 116) If the range of a set of data is 110 and the lowest number in the data set is 98, what is the greatest number of that data set?

- A) 104      B) 110      C) 198      D) 208

- 117) The average weight of 50 prize-winning tomatoes is 2.36 pounds. What is the combined weight, in pounds, of these tomatoes?

- A) 0.0472      B) 11.8      C) 52.36      D) 59      E) 118

**Pre-Calculus/Trig. 3**  
**PSSA/SAT Review Packet**

- 118) In a high school, there are 210 sophomores, 200 juniors and 190 seniors. A survey was taken to determine the various activities in which the students were interested. A chart was prepared to show the results of the survey. A student from the high school is chosen at random. What is the probability that the student would prefer basketball over the other five sports listed?

Preferences			
Sport	So	Jr	Sr
Football	12	15	10
Basketball	8	10	12
Baseball	8	4	6
Swimming	4	3	4
Track	6	5	4
Hockey	4	3	2
Totals	42	40	38

A) 0.300      B) 0.250

C) 0.083      D) 0.050

- 119) The nine chips shown are placed in a sack and then mixed up. Madeline draws one chip from this sack. What is the probability that Madeline draws a chip with an even number?

①    ②    ③    ④    ⑤

A)  $\frac{1}{9}$       B)  $\frac{2}{9}$       C)  $\frac{4}{9}$

⑥    ⑦    ⑧    ⑨

D)  $\frac{1}{2}$       E)  $\frac{4}{5}$

- 120) If the odds of winning the lottery are 1:999, what is the probability of winning the lottery?

A)  $\frac{1}{999}$       B)  $\frac{999}{1}$       C)  $\frac{1000}{1}$       D)  $\frac{1}{1000}$