

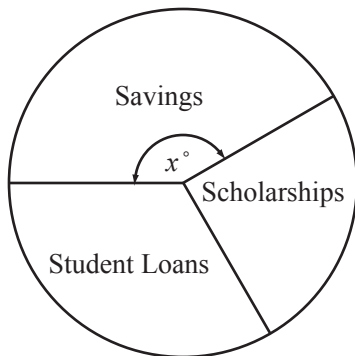
Solve each of the remaining problems in this section using any available space on the page for scratchwork. Then decide which is the best of the choices given and fill in the corresponding oval on the answer sheet.

SID'S CHECKING ACCOUNT	
Days	Change in Account Balance (in dollars)
Monday	+20
Tuesday	-13
Wednesday	-16
Thursday	+9
Friday	-12

68. The chart above shows the dollar amounts that were added to or subtracted from Sid's checking account on each of 5 days. According to the chart, the total change in Sid's account balance for all five days is equal to the change in the account balance for which single day?

(A) Friday  
(B) Thursday  
(C) Wednesday  
(D) Tuesday  
(E) Monday

#### SOURCES OF LANA'S COLLEGE TUITION



69. The pie chart above shows the three sources for Lana's college tuition. If  $\frac{1}{4}$  of the total amount was from scholarships and  $\frac{1}{3}$  was from student loans, what is the value of  $x$ ?

(A) 130 (B) 120 (C) 160 (D) 140 (E) 150

70. If  $n^k = 64$  and  $n$  and  $k$  are integers, which of the following could NOT be a value of  $n$ ?
- (A) 4 (B) 16 (C) 8 (D) 2 (E) -2
71. If  $7x$  is 24 more than  $x$ , then  $x^2$  is how much more than  $\sqrt{x}$ ?
- (A)  $49 - \sqrt{7}$   
(B) 24  
(C) 6  
(D)  $2\sqrt{6}$   
(E) 14
72. A circle of radius 4 and a circle of radius 5 have exactly one point in common. If  $P$  is a point on one circle and  $Q$  is a point on the other circle, what is the maximum possible length of segment  $PQ$ ?
- (A) 18 (B) 14 (C) 13 (D) 10 (E) 9
73. If  $(x+2)^n(x-2) = (x+2)(x^2-4)$  for all values of  $x$ , what is the value of  $n$ ?
- (A) 4  
(B) 1  
(C) 3  
(D) 2  
(E) It cannot be determined from the information given.

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