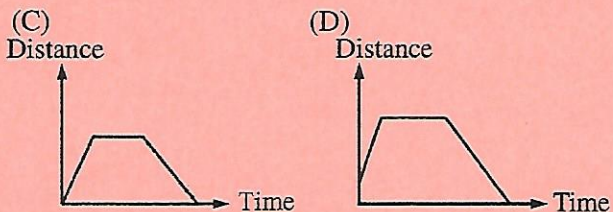
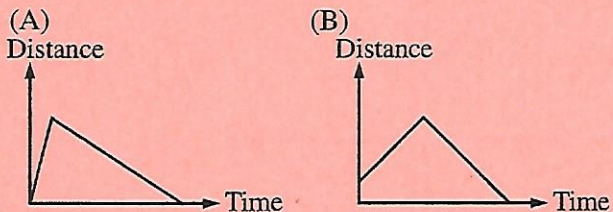


28. The results of a survey of 200 college students showed that some students who were business majors were women and all students who were business majors took calculus. Which of the following is a valid conclusion from the survey?

- (A) All students who were women took calculus.
- (B) Some students who were women took calculus.
- (C) Some students who were women did not take calculus.
- (D) Some students who were women were not business majors.

29. If $g(x) = x^3 - 2x - 1$, then $g(-2) =$

30. On Friday afternoon, Gloria left work, which is 1 mile from home, and drove to the bank, which is 4 miles from home. She spent 20 minutes at the bank and then drove home. Which of the following graphs could represent Gloria's distance from home as a function of the time from when she left work on Friday afternoon?



x	3	4	5
$f(x)$	2	3	4

x	2	3	4
$g(x)$	3	5	7

31. Values for the functions f and g are given in the tables above. What is the value of $f(g(3))$?

32. A house was purchased for \$140,000. Three years later, the value of the house was \$155,000. If the value V of the house increased linearly from the date it was purchased, which of the following represents the value, in dollars, of the house t years after the date it was purchased?

- (A) $V = 140,000 + 15,000t$
- (B) $V = 140,000 + 5,000t$
- (C) $V = 140,000 + 15,000(t - 3)$
- (D) $V = 140,000 + 5,000(t - 3)$