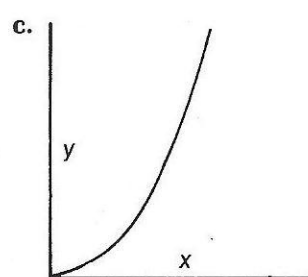
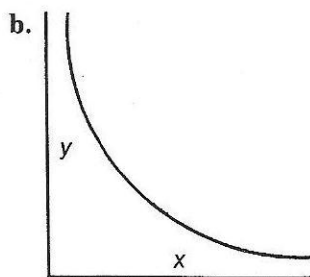
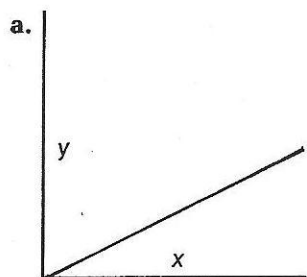


B. Understanding Concepts

In the space to the left, write the letter of the answer to each question.

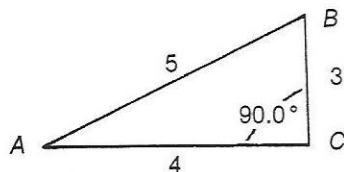
- _____ 1. If $x = gt$, then t equals
 a. g/x b. gx c. x/g d. $1/gx$
- _____ 2. If $x = abc/d$, then b equals
 a. acx/d b. ac/xd c. axd/c d. xd/ac
- _____ 3. Which of the following equations are dimensionally correct?
 a. speed = distance \times time c. distance = speed/time
 b. distance = speed \times time d. distance = time/speed

Questions 4 through 6 refer to the three graphs below.



- _____ 4. Which graph indicates that y varies as the square of x ?
- _____ 5. Which graph indicates that y varies inversely as x ?
- _____ 6. Which graph indicates that y varies directly with x^2 ?

Questions 7 through 9 refer to the figure below.



- _____ 7. The sine of angle B equals
 a. $3/5$ b. $3/4$ c. $4/5$ d. $4/3$
- _____ 8. The cosine of angle A equals
 a. $4/5$ b. $3/5$ c. $4/3$ d. $3/4$
- _____ 9. The measure of angle A , to the nearest degree, equals
 a. 53° b. 11° c. 49° d. 37°