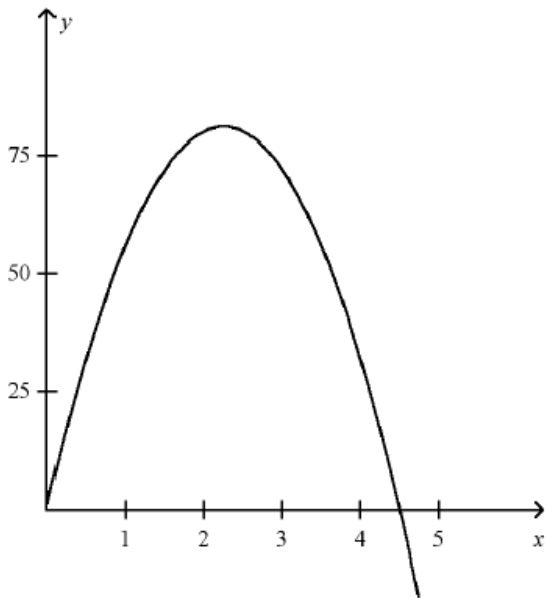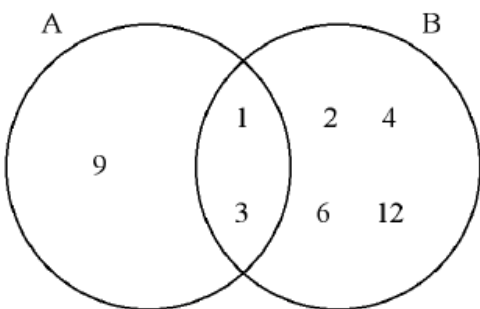28. The height of a ball in feet is modeled by $y = -16x^2 + 72x$, where x is the time in seconds after the ball is hit. How long is the ball in the air?

a. 2.25 s

c. 9 s

b. 4.5 s

d. 81 s

29. The diagram shows a Venn diagram for sets A and B. What is the intersection?

Set A: factors of 9
Set B: factors of 12

a. {1}

c. {2, 4, 6, 12}

b. {1, 3}

d. {9}

30. Factor $p^2 - 40$.

a. $(p - 20)^2$

c. $(p + 20)^2$

b. $(p - 20)(p + 20)$

d. cannot be factored

Answers

28. ANS: B
29. ANS: B
30. ANS: D