SAT Math Word Problem Worksheet

Question 1:

The length, in inches, of a box is **3 inches less than twice** its width, in inches. Which of the following equations gives the length, l, in terms of the width, w, of the box?

Answer Choices:

A) $l=12w+3$

B) $l=w+3$

C) $l=w-3$

D) $l=2w+3$

E) $l=2w-3$

Correct Answer:

E) $l=2w-3$

Question 2:

The total cost C of renting a car is **$25 per day plus $0.15 per mile driven**. Which equation represents the total cost in terms of the number of miles driven m?

Answer Choices:

A) C=25m+0.15

B) C=25+0.15m

C) C=0.15m−25

D) C=25m−0.15

E) C=0.15m+25

Correct Answer:

B) C=25+0.15m

Question 3:

A rectangle's length is **4 inches more than three times its width**. Which equation represents the length l in terms of the width w?

Answer Choices:

A) l=3w+4

B) l=4w+3

C) l=3w−4

D) l=4w−3

E) l=w+3

Correct Answer:

A) l=3w+4

Question 4:

The perimeter of a square is **four times the length of one side**. Which equation represents the perimeter P in terms of the side length s?

Answer Choices:

A) P=s+4

B) P=4s

C) P=s−4

D) P=s/4

E) P=2s

Correct Answer:

B) P=4s