Exercise - Writing Equations

1

Eighteen more than the number n is 125.
What is the value of n ?

2

Twenty is 7 less than twice the number w.
What is the value of w ?

3

Nine less than twice x is three more than x.
What is the value of x ?

4

Eight less than four times the number c is twenty.
What is the value of c ?

5

The sum of four consecutive odd integers is 296.
What is the greatest of the four consecutive odd
integers?

6

The sum of three fourths of the number a
and 24 is negative 9. What is the value of a ?

A) −44

B) −20

C)   20

D)   44

7

A number g is decreased by 23 and then
multiplied by $\dfrac{1}{2}$. The result is 8 more than
twice the number g.

A) −13

B) $-\dfrac{34}{3}$

C) $-\dfrac{29}{3}$

D) −8

8

The quotient of p and q is twelve less than
three times the sum of p and q.

Which of the following equations represents the
statement above?

A) $\dfrac{p}{q} = (3p+q)-12$

B) $\dfrac{p}{q} = 12-(3p+q)$

C) $\dfrac{p}{q} = 3(p+q)-12$

D) $\dfrac{p}{q} = 12-3(p+q)$