1. A square and an equilateral triangle are pictured below.

├─(5x + 3)─┤   ├─(7x − 1)─┤
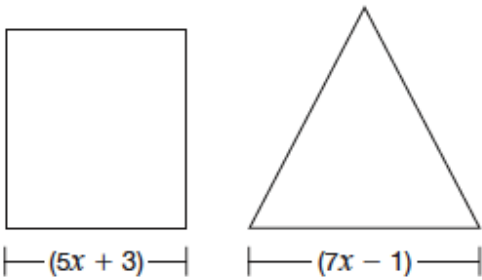
If the square and the triangle have the same perimeter, what is the value of x?

a   2

b   4

c   9

d   15

2. The sum of the perimeters of two shapes is represented by $13x + 4y$.

The perimeter of one shape is represented by $4x − 2y$.

Which expression represents the perimeter of the other shape?

a $9x + 2y$

b $9x + 6y$

c $17x + 2y$

d $17x + 6y$

3. Which of the following represents the expression $2(3x + 4) + 3(x − 1)$ in a simplified form?

a $9x + 3$

b $9x + 5$

c $8x + 8$

d $8x + 11$

4. A rectangular field has a **perimeter** of $(10a − 6)$ metres and a width of $2a$ metres.

Which expression represents the **length** of this field?

A $8a − 6$

B $12a − 6$

C $3a − 3$

D $3a^2 − 3$