With the increase of the fuel price, the price of consumer products increases because oil is essential component of the industrial and manufacturing sectors, also petrol and diesel is used for the transportation of goods. There are two statement based on petrol and CNG gas given below.

Statement I: Every six months, price of petrol increases at the rate of Rs 4 per litre. Taking price of petrol in December, 2011 as x and price of petrol in December 2012 as y.

Statement I: Due to continuous rise in the petrol price, people are shifting towards CNG whose price increases at the rate of Rs 3 per litre in a year.
So, give the answer of the following questions by reading the above statements.

1. According to the first statement, form linear equation showing amount spent on petrol in December 2012.
   a) $x = y + 8$
   b) $x = 8 - y$
   c) $y = x + 8$
   d) $x = \frac{8+y}{2}$
2. If $x = 3$, then find the value of y:
   a) 9
   b) 10
   c) 11
   d) 12
3. According to the second statement, form linear equation taking price of CNG in December 2011 as a in December 2012 as b.
   a) $b = a - 3$
   b) $a = b - 3$
   c) $b = a + 3$
   d) $2b = a + 3$
4. If $a = 5$, then find the value of b:
   a) 6
   b) 7
   c) 8
   d) 9
5. If If $a = 11$, then find the value of b:
   a) 11
   b) 12
   c) 13
   d) 14