Perimeter and Area of Quadrilaterals

Multiple choice questions

1) What is the distance covered by an athlete in one round of a squared shape path, which has length of each of its sides as 40 m?
   a) 40 m
   b) 80 m
   c) 120 m
   d) 160 m

2) What is the perimeter of a rectangle of size 10 cm × 12 cm?
   a) 22 cm
   b) 55 cm
   c) 33 cm
   d) 44 cm

3) The per square foot cost of painting a rectangular wall with an area of 200 square feet is $2. How much will it cost to paint the wall completely?
   a) $400
   b) $300
   c) $200
   d) $100

4) Cost of fencing a squared shape path with each of its side of 12 m at the rate of $5 per metre is
   a) $200
   b) $220
   c) $240
   d) $260

5) The area of a rectangle is 240 cm^2. Its length is 12 cm. The breadth will be
   a) 20 cm
   b) 22 cm
   c) 24 cm
   d) 26 cm

6) If length and breadth of rectangle is doubled, then its area will
   a) remains same
   b) be 2 times area of the old rectangle
   c) be 4 times area of the old rectangle
   d) be 8 times area of the old rectangle

7) Area of the floor is 10000 cm^2 and the area of a tile used to cover the floor is 500 cm^2. How many tiles are required to cover the whole floor?
   a) 10
   b) 15
   c) 30
   d) 20

8) The length and breadth of a rectangle are in the ratio of 3 : 4. Its area is 1200 cm^2. What should be the length and breadth of the rectangle?
   a) 30 cm and 40 cm
   b) 40 cm and 30 cm
   c) 36 cm and 48 cm
   d) 48 cm and 36 cm

9) If the sides of a square are doubled then its area will
   a) be 6 times area of the old square
   b) be 2 times area of the old square
   c) be 4 times area of the old square
   d) remain same

10) How many times will the new area of a rectangle be if its length remains same and breadth is doubled?
   a) 6 times area of the old rectangle
   b) 4 times area of the old rectangle
   c) 2 times area of the old rectangle
   d) remains same