9. Two friends Vicky and Love start a business together. They decided to share their capitals depending upon the variable expenditure. The capital of the two partners together is given by polynomial $6x^2 + 10x - 35$, which is the product of their individual share factors.

On the basis of the above information, answer the following questions.

(i) The total expenditure of Vicky and Love when x = 10 is (in ₹)

(a) 375	(b) 475
(c) 575	(d) 675

- (ii) The shares of the Vicky and Love individually is
 - (a) 2x + 7, 3x 5
 - (b) 3x 5, 2x + 7
 - (c) Both (a) and (b)
 - (d) None of the above
- (iii) The value of *x*, when their shares are equal
 - (a) 12 (b) 10 (c) 8 (d) 6
- (iv) The value of *x*, when their total share is equal to 0

(a)
$$-\frac{7}{2}$$
 (b) $\frac{5}{3}$

(c) Both (a) and (b) (d) None of these

(v) The sum of their expenditure is (a) 5x - 2 (b) 5x + 2