14. A jacket was sold for Rs 1,120 after allowing a discount of 20%. The marked price of the jacket is

(a) Rs 1440 (b) Rs 1400 (c) Rs 960 (d) Rs 866.66

105. The following items are purchased from showroom:

T-Shirt worth Rs 1200.

Jeans worth Rs 1000.

2 Skirts worth Rs 1350 each.

What will these items cost to Shikha if the sales tax is 7%?

Example 19 : Find the value of $\frac{38^2 - 22^2}{16}$, using a suitable identity.

18. Square of $9x - 7xy$ is

(a) $81x^2 + 49x^2y^2$

(b) $81x^2 - 49x^2y^2$

(c) $81x^2 + 49x^2y^2 - 126x^2y$

(d) $81x^2 + 49x^2y^2 - 63x^2y$

19. Factorised form of $23xy - 46x + 54y - 108$ is

(a) $(23x + 54)(y - 2)$

(b) $(23x + 54y)(y - 2)$

(c) $(23xy + 54y)(-46x - 108)$

(d) $(23x + 54)(y + 2)$

21. Factorised form of $p^2 - 17p - 38$ is

(a) $(p - 19)(p + 2)$

(b) $(p - 19)(p - 2)$

(c) $(p + 19)(p + 2)$

(d) $(p + 19)(p - 2)$

30. The value of $(2x^2 + 4) \div 2$ is

(a) $2x^2 + 2$ (b) $x^2 + 2$ (c) $x^2 + 4$ (d) $2x^2 + 4$

57. On simplification $\frac{3x+3}{3} =$ _____

58. The factorisation of $2x + 4y$ is _____.

85. Expand the following, using suitable identities.

(i) $(xy + yz)^2$