



Assignment questions based upon online class

Maths homework (IX)

1. Use suitable identities to find the following products:

(i) $(x + 4)(x + 10)$

(ii) $(x + 8)(x - 10)$

(iii) $(3x + 4)(3x - 5)$

(iv) $(y^2 + \frac{3}{2})(y^2 - \frac{3}{2})$

(v) $(3 - 2x)(3 + 2x)$

2. Evaluate the following products without multiplying directly:

(i) 103×107

(ii) 95×96

(iii) 104×96

3. Factorise the following using appropriate identities:

(i) $9x^2 + 6xy + y^2$

(ii) $4y^2 - 4y + 1$

(iii) $x^2 - \frac{y^2}{100}$