

Time: 10 Minutes	Paper Math 8 (T-1)	Total Marks: 10
4th Month, 2nd Week, 1st Day	Exercise 2.10 Complete	

Q.1. Choose the correct options. (1 x 4 = 4) درست جواب کا انتخاب کریں۔

(i) The factorization of $9-x^2$ is: $9-x^2$ کی تجزی ہے:

(a) $x+3$	(b) $(3-x)(3+x)$	(c) $3-x$	(d) $(x+3)(3-x)$
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(ii) $a^2b^3 - 64a^2b =$ _____.

(a) $a^2b(b+8)(b-8)$	(b) $(b+8)(b-8)$	(c) $a^2b(b+8)$	(d) $a^2b(b^2-8)$
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(iii) $11(a+b)^2 - 99c^2 =$ _____.

(a) $11(a+b)^2 - 9c^2$	(b) $11(a+b)^2 - 3c^2$
(c) $11\{(a+b+3c)(a+b-3c)\}$	(d) $11(a+b+3c)$

(iv) $16a^2 - 400b^2 =$ _____.

(a) $4(2a+10b)(2a-10b)$	(b) $16(a^2-b^2)$
(c) $16(a^2-10b^2)$	(d) $4(2a+10b)$

☆ Answer the following questions: (2×3=6) درج ذیل سوالات کے جواب دیں۔

Q.2. Factorize the following expressions: درج ذیل کو حل کریں:

(i) $25\left(x+\frac{5}{4}\right)^2 - 16\left(x+\frac{7}{4}\right)^2$ (ii) $36\left(x-\frac{1}{4}\right)^2 - 64\left(x-\frac{5}{4}\right)^2$

Q.3 Evaluate the following with the help of formula: فارمولہ کی مدد سے درج ذیل کو حل کریں:

(i) $\frac{(0.409)^2 - (0.391)^2}{0.409 - 0.391}$

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