



Assignment

ABHYAS Academy,

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Date: __ / __ / __

Name: _____

Max Marks: 26

Section- A (Two Marks Each)

- 1 Solve: a) $39^2 - 59^2$ b) $(43 - 66)(43 + 66)$
- 2 Find the value of x if $8x = 35^2 - 27^2$
- 3 Find the value of: $x^2 + 1/x^2$, if $x + 1/x = 34$
- 4 If $3x+2y=12$ and $xy =6$, find the value of $9x^2+4y^2$
- 5 Simplify using identities: 1.8×2.2
- 6 If $x + 1/x = 20$, find the value of $x^2 + 1/x^2$
- 7 Solve using identities: $(5x + 6y)^2 - (8x - 9y)^2$

Section-B (Three Marks Each)

- 8 Find the values of the following using identities: a) 999^2 b) $(1.2)^2$
- 9 Evaluate: a) $(5a - 2b)^2$ b) $(3x + 2z)(3x + 3y)$
- 10 Simplify using identities: a) 68×72 b) $128^2 - 77^2$
- 11 If $x - 1/x = 3$, find the value of $x^2 + 1/x^2$ and $x^4 + 1/x^4$



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