

Multiple Choice**Part - A**1) Which of the following satisfies $(a + b)(a^2 - b) = -1$?

i) $a = 1, b = 2$

ii) $a = -3, b = 5$

iii) $a = 0, b = -1$

iv) $a = 4, b = 10$

2) Which of the following satisfies $(2x + 1)(3y - 2) = 12$?

i) $x = 3, y = -5$

ii) $x = 0, y = 2$

iii) $x = 4, y = 11$

iv) $x = 1, y = 2$

3) Which of the following satisfies $p + q + r = 16$?

i) $p = 1, q = 2, r = 0$

ii) $p = 2, q = 3, r = 1$

iii) $p = 3, q = 4, r = 2$

iv) $p = 6, q = 11, r = -3$

4) Which of the following satisfies $s + t = 18$?

i) $s = 3, t = 5$

ii) $s = 4, t = 6$

iii) $s = 5, t = 7$

iv) $s = 15, t = 3$

1) Which of the following is a linear equation in two variables?

i) $2x + y = 12$

ii) $x^2 + y = 12$

iii) $x + y^2 = 12$

iv) $8x - 12y = 48$

2) Which of the following equation is true at $m = 7$ and $n = 1$?

i) $\frac{m+n}{6} = 14$

ii) $m^2 + 3n = 11$

iii) $m^3 + 5n = -44$

iv) $\frac{2m+6n}{5} = 4$

3) Which of the following equation is true at $a = 1, b = 0$ and $c = 3$?

i) $a + b + 3c = 26$

ii) $2a - b - c^2 = -1$

iii) $\frac{3a+5b}{c} = 1$

iv) $2a^2 + b - 5c = -12$

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