

Multiple Choice

Part - A

1) Which of the following satisfies $x^3 - x^2 + 1 < 1$?

i) $x = 3$

ii) $x = 4$

iii) $x = -4$

iv) $x = 1$

2) Which of the following satisfies $(f - 2)(3f + 4) > 28$?

i) $f = 0$

ii) $f = 7$

iii) $f = 1$

iv) $f = -1$

3) Which of the following satisfies $z^2 - 13z + 42 = 0$?

i) $z = 12$

ii) $z = 5$

iii) $z = 2$

iv) $z = 5$

4) Which of the following satisfies $h^2 - 13h + 42 = 0$?

i) $h = -1$

ii) $h = 5$

iii) $h = 2$

iv) $h = 2$

1) Which of the following satisfies $\frac{u^2 + 3}{u} \leq 1$?

i) $\frac{u^2 + 3}{u} \leq 1$

ii) $\frac{u^2 + 3}{u} \leq 1$

iii) $\frac{u^2 + 3}{u} \leq 1$

iv) $\frac{u^2 - 3}{u} < -5$

2) Which of the following inequality is true at $a = -5$?

i) $a^2 + 5 < 25$

ii) $a^2 + 1 \leq -26$

iii) $a^2 - 2 > 20$

iv) $a^2 - 6 \geq 21$

3) Which of the following inequality is true at $n = 4$?

i) $(3n - 3) < -2$

ii) $(2n + 8) > -35$

iii) $(8n - 2) \leq 3$

iv) $(n - 1) \geq 18$

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