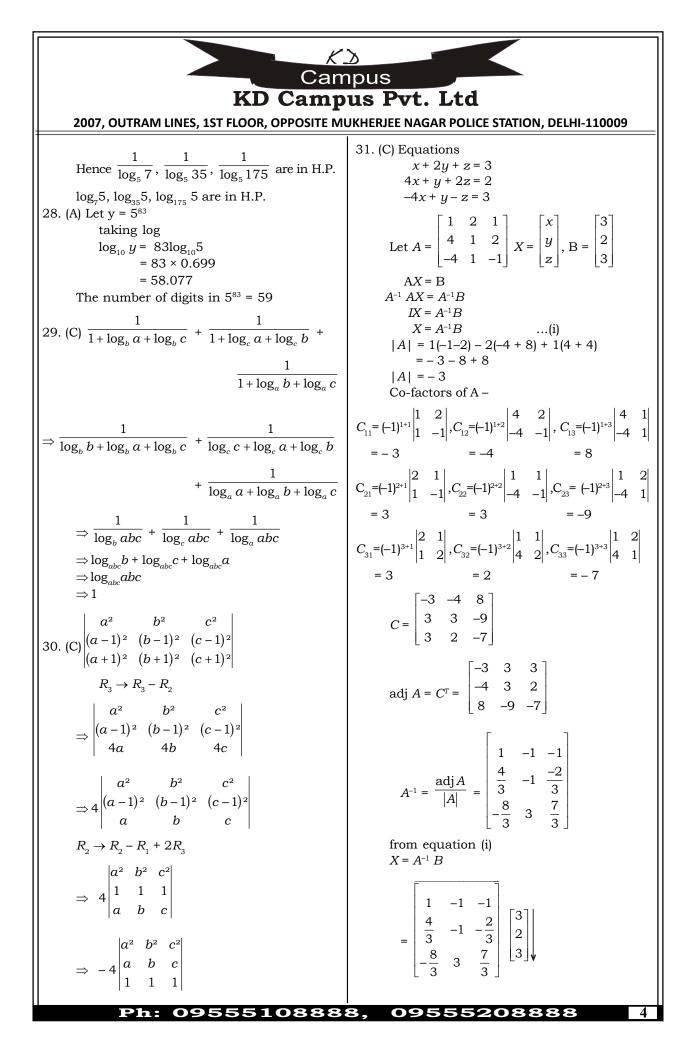
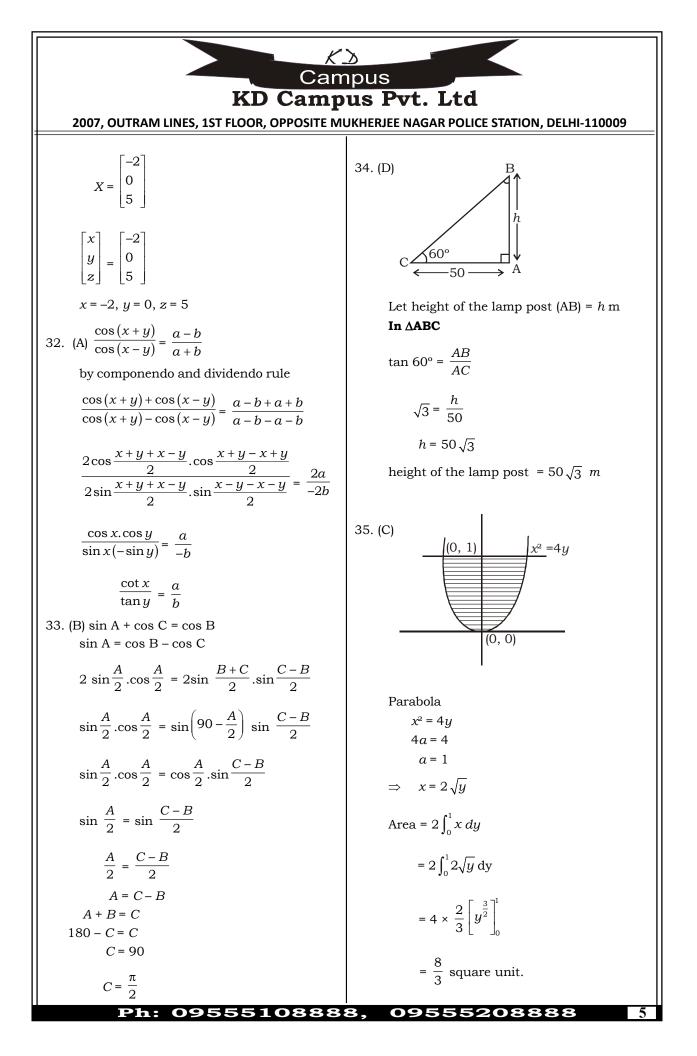
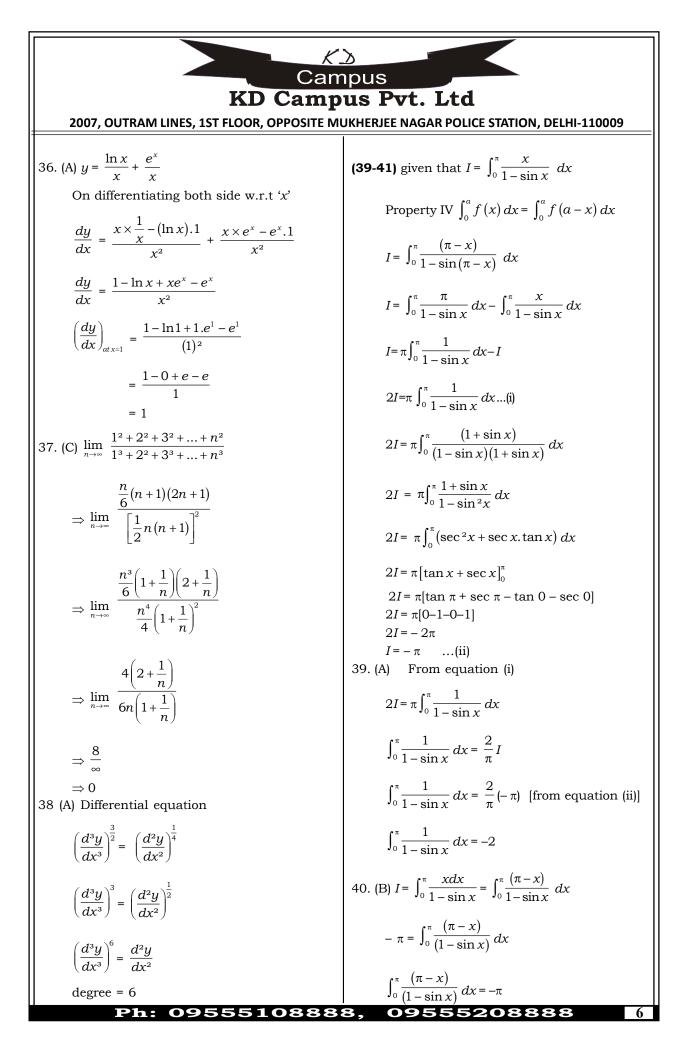
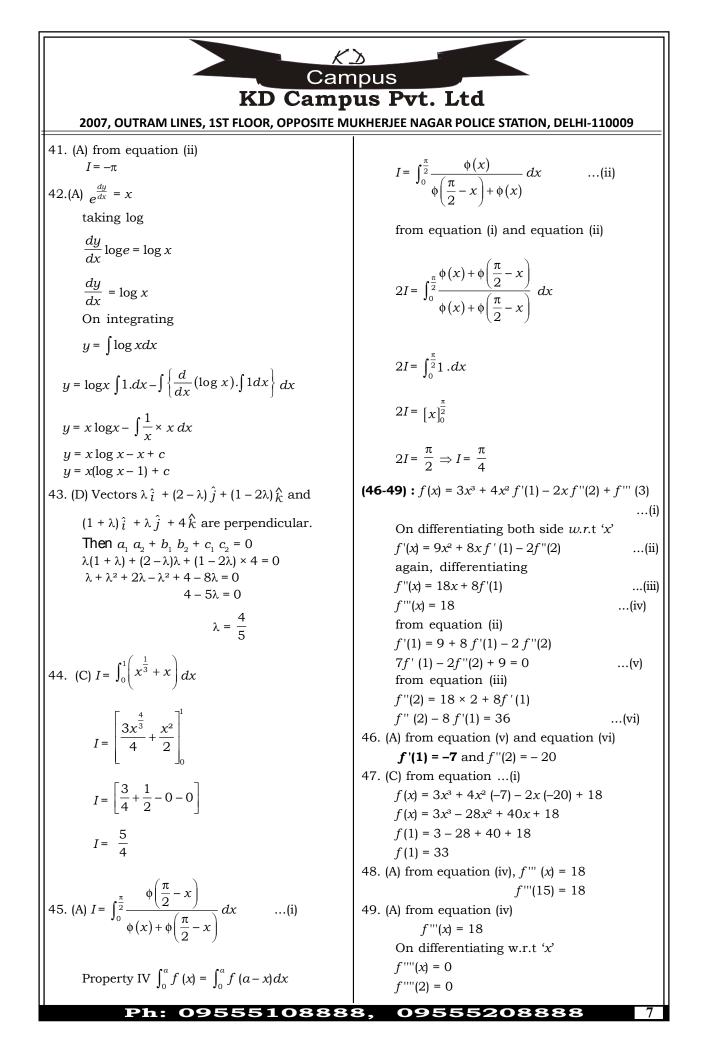


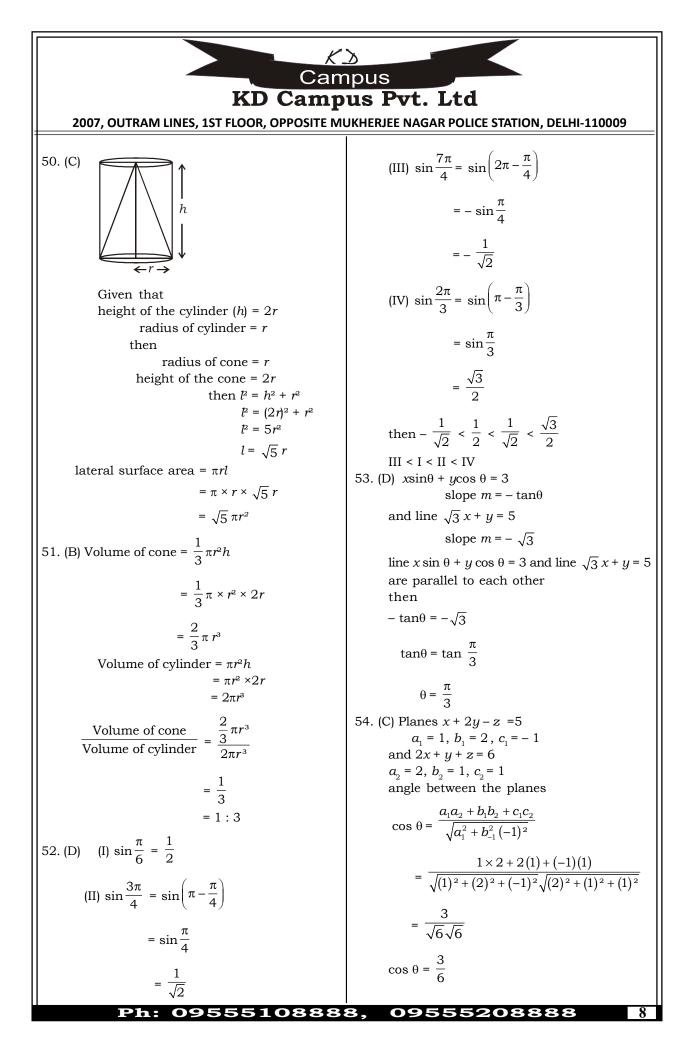
EXAMPLE ALLANCE STATION, DELH-110009
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17. (C)
$$\lim_{n \to 2} \frac{27 - x^{n}}{x - 3} \begin{bmatrix} 0 \\ 0 \end{bmatrix}$$
 Form
by L-Hospital's Rule
 $= \lim_{n \to 0} \frac{0 - 3x^{n}}{x - 3} \begin{bmatrix} 0 \\ 0 \end{bmatrix}$ Form
by L-Hospital's Rule
 $= \lim_{n \to -3} \frac{0 - 3x^{n}}{x - 3} \begin{bmatrix} 0 \\ -1 \end{bmatrix} \begin{bmatrix} 7 - \frac{10}{x} \\ -2 - 2xh^{n} \end{bmatrix} = 1 + 4\sqrt{5}i$
 $x^{n} - \mu^{n} = 1 - 2xh^{n} + 4\sqrt{5}i$
 $a^{n} - \mu^{n} = 1 - 2xh^{n} + 4\sqrt{5}i$
 $a^{n} - \mu^{n} = 1 - 2xh^{n} + 4\sqrt{5}i$
 $a^{n} - \mu^{n} = 1 - 2xh^{n} + 4\sqrt{5}i$
 $a^{n} - \mu^{n} = (a^{n} - \mu^{n})^{n} \frac{1}{\mu^{n} - a^{n}} = -1$
 $(a^{n} - \mu^{n})^{n} = (a^{n} - \mu^{n})^{n} + a^{n}b^{n} = -1$
 $(a^{n} + \mu^{n})^{n} = 1 - 2xh^{n} + 4\sqrt{5}i$
 $a^{n} - \mu^{n} = 2ah^{n} + 4\sqrt{5}i$
 $a^{n} - \mu^{n} = 1 - 2xh^{n} + 4\sqrt{5}i$
 $a^{n} - \mu^{n} = 2ah^{n} + 4\sqrt{5}i$
 $a^{n} - \mu^{n} = (a^{n} - \mu^{n})^{n} + a^{n}b^{n} = -1$
 $(a^{n} + \mu^{n})^{n} = 1 - 2xh^{n} + 4\sqrt{5}i$
 $a^{n} + \mu^{n} = 0$
 $23. (C) = \frac{\alpha}{x + \alpha} + \frac{\beta}{x + \beta} = -1$
 $x(\alpha + \beta)^{n} + 2x\beta = -x^{n} + x(\alpha + \beta)^{n} - \alpha\beta$
 $x^{n} + x^{n} + x^{n} + \alpha\beta$
 $a^{n} = 2x^{n} + x^{n} + x^{n} + \alpha\beta$
 $a^{n} = 2x^{n} + x^{n} + x^{n} + \alpha\beta$
 $a^{n} = 2x^{n} + a^{n} + x^{n} + \alpha\beta$
 $a^{n} = 2x^{n} + a^{n} + x^{n} + \alpha\beta$
 $a^{n} = 2x^{n} + a^{n} + x^{n} + \alpha\beta$
 $a^{n} = 2x^{n} + a^{n} + \alpha\beta$
 $a^{n} = -1$
 $(a^{n^{n}} + 1)^{n^{n}} + (a^{n} + \beta)^{n} + 1^{n^{n}} + \alpha\beta$
 $a^{n} = -1$
 $(a^{n^{n}} + 1)^{n} = (a^{n} + 1)^{n} + \alpha\beta$
 $a^{n} = -2x^{n} + \alpha\beta$
 $a^{n} = -2x^{n} + \alpha\beta$
 $a^{n^{n}} + 1^{n^{n}} = 1$
 $a^{n^{n^{n}} + 1} + 1^{n^{n}} = (a^{n} + 1)^{n} + \alpha\beta$
 $a^{n^{n^{n}} + 1} + 1^{n^{n^{n}}} = \frac{1}{a^{n^{n^{n}} + 1}}$
So roots are distinct and real.
25. (A)
26. (B) $\frac{a^{n^{n}} + \mu^{n^{n^{n}}} + 2^{n^{n^{n}}} + 2^{n^$

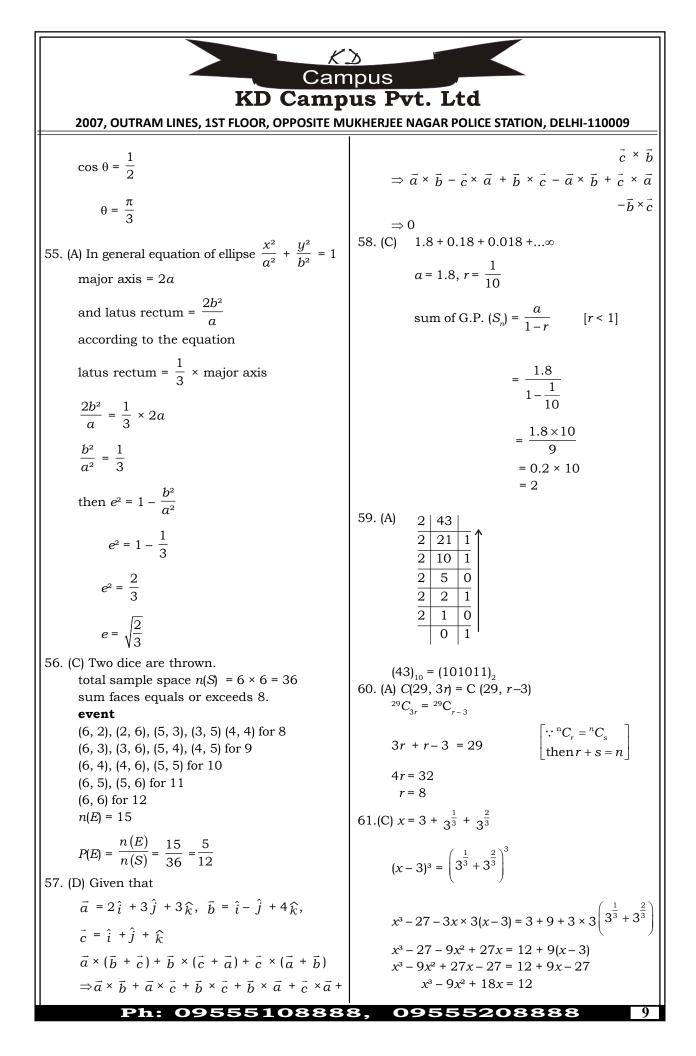


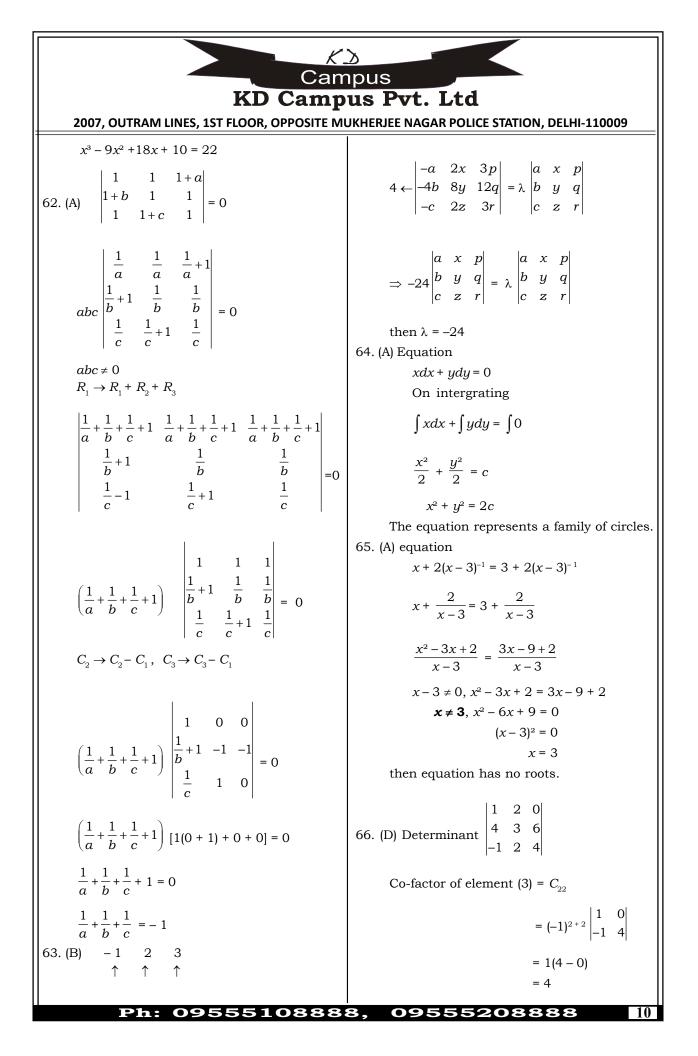


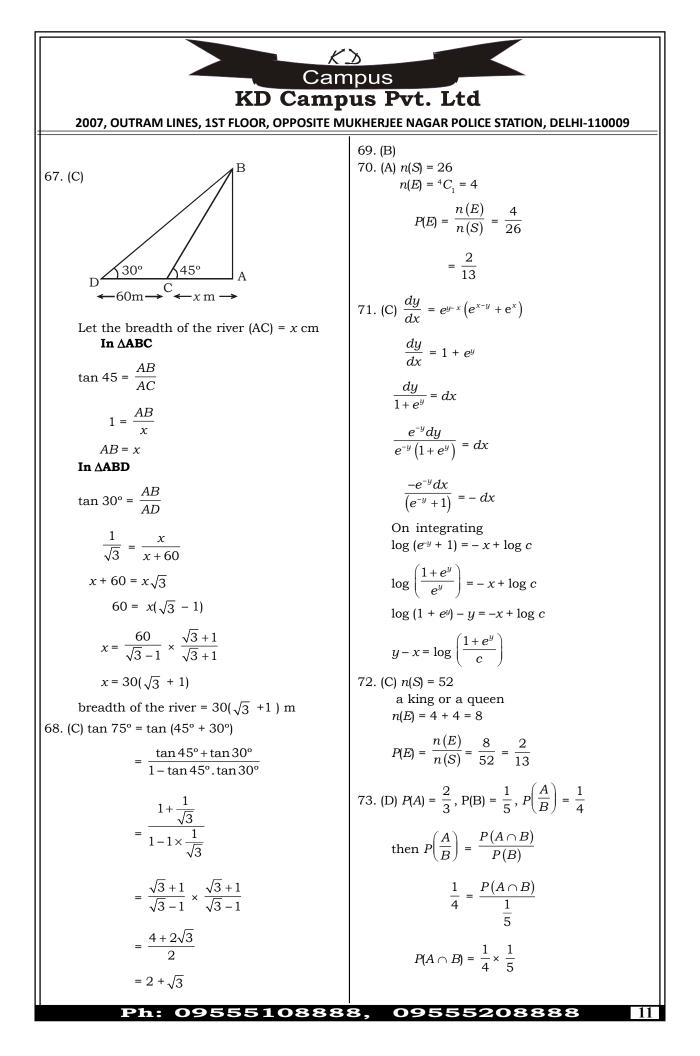


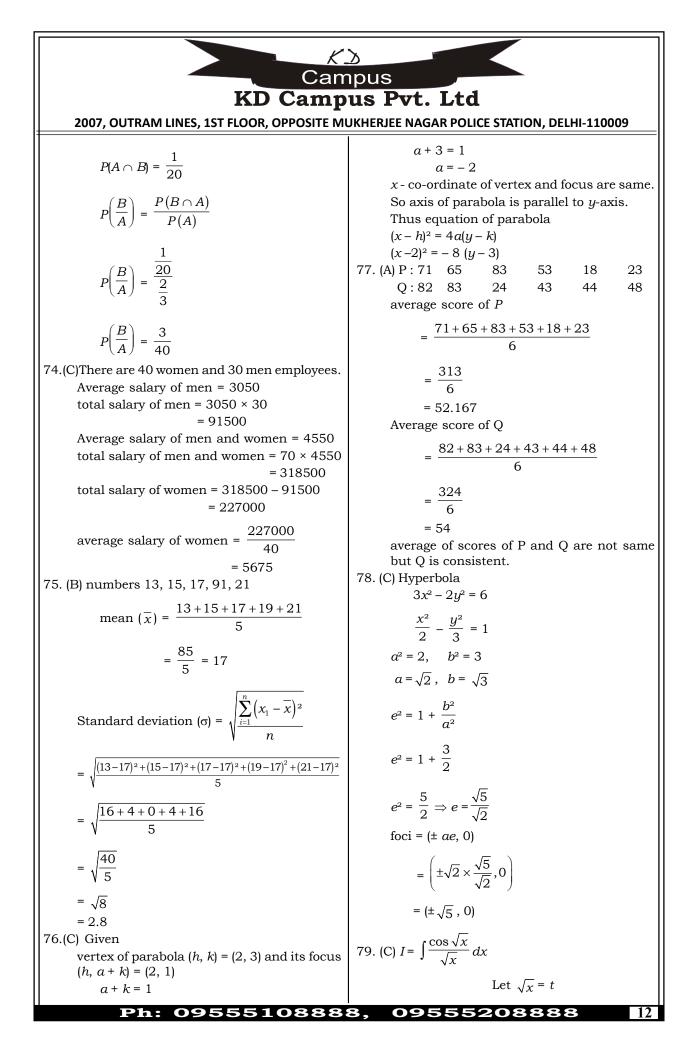


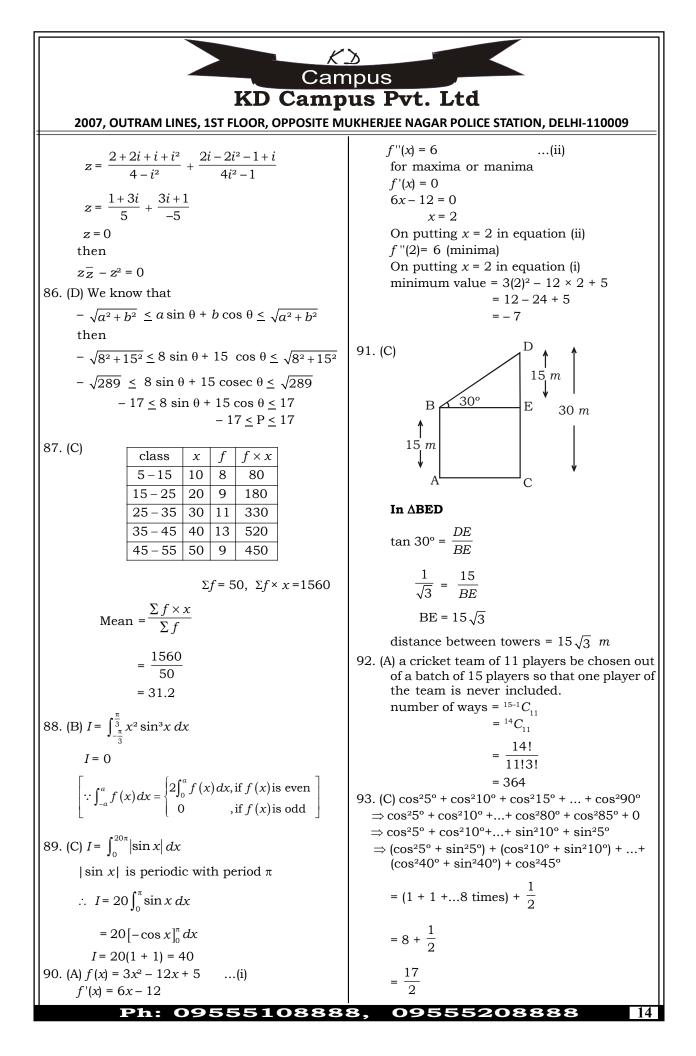


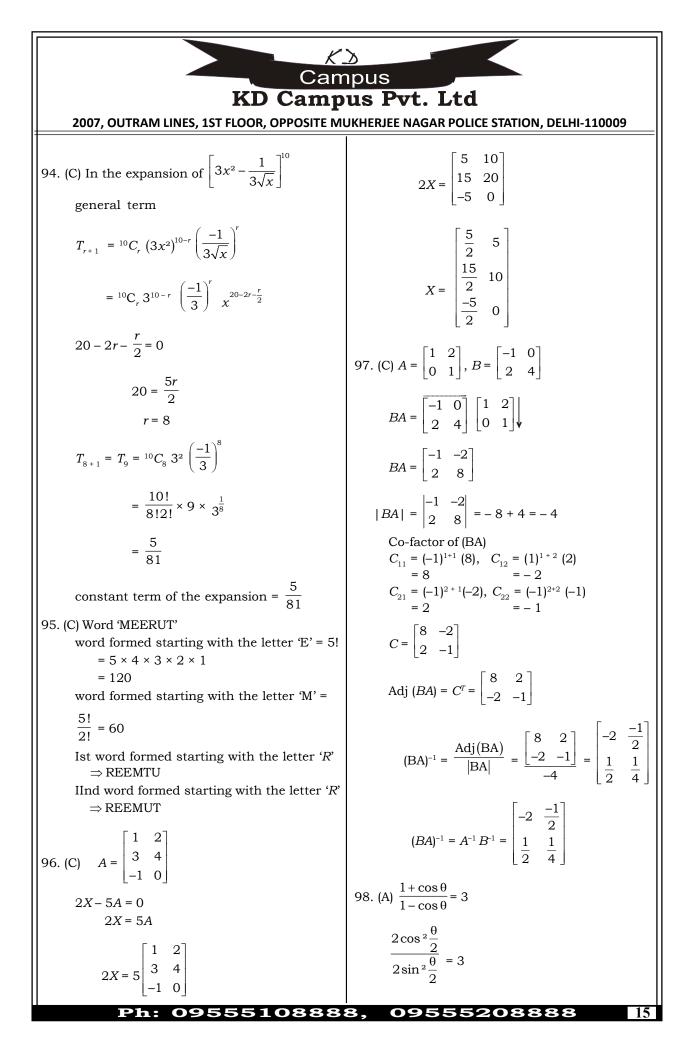


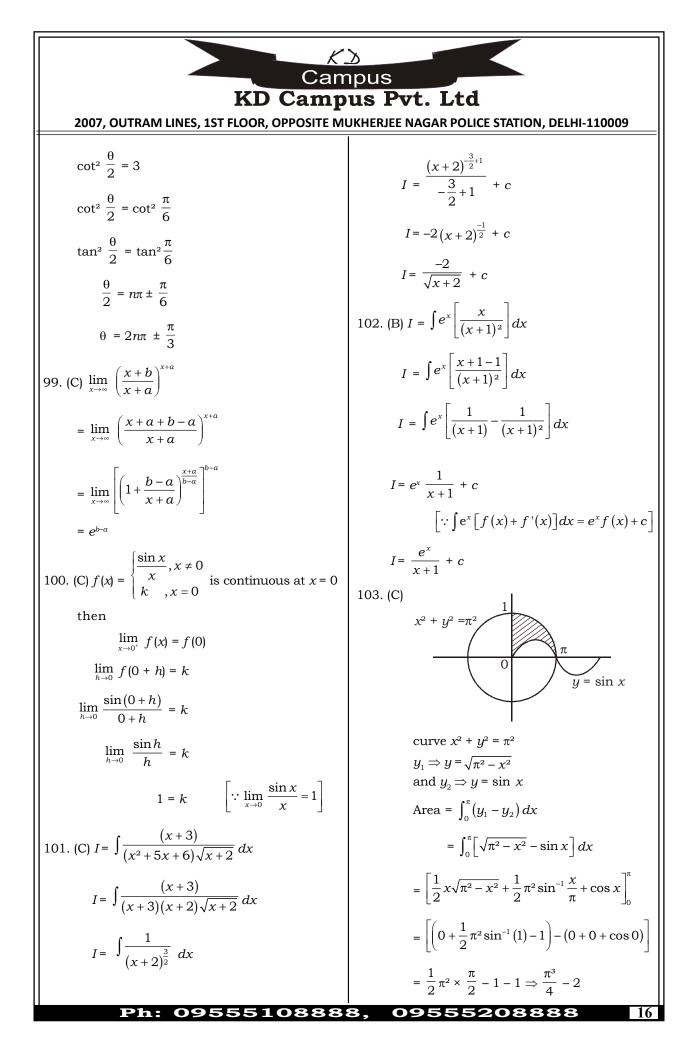


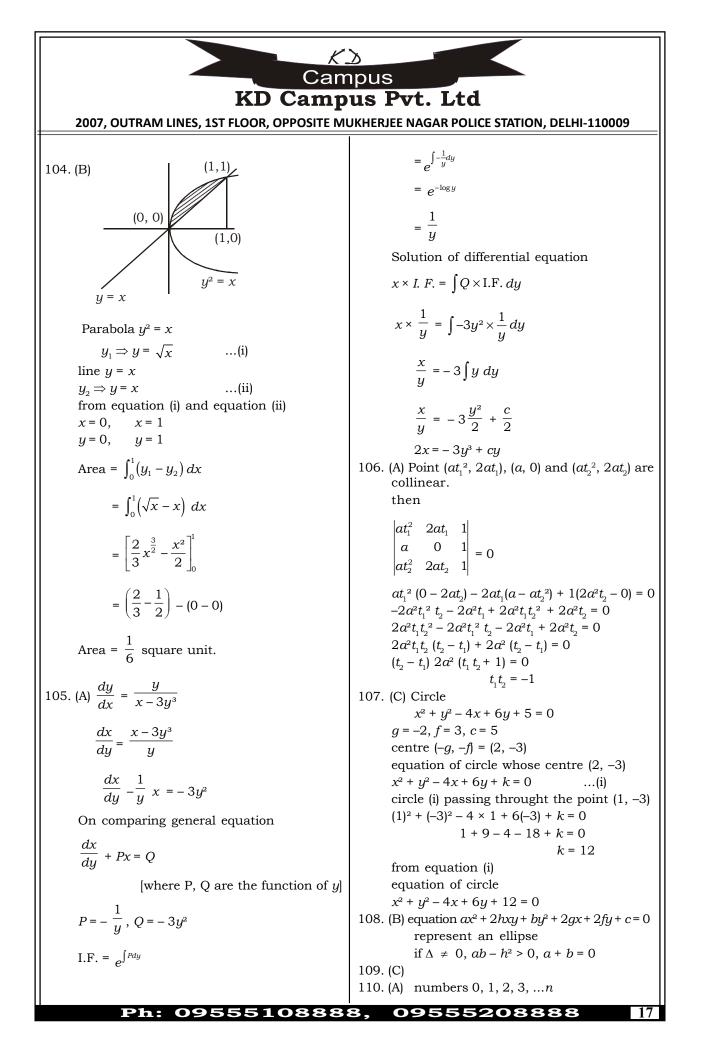


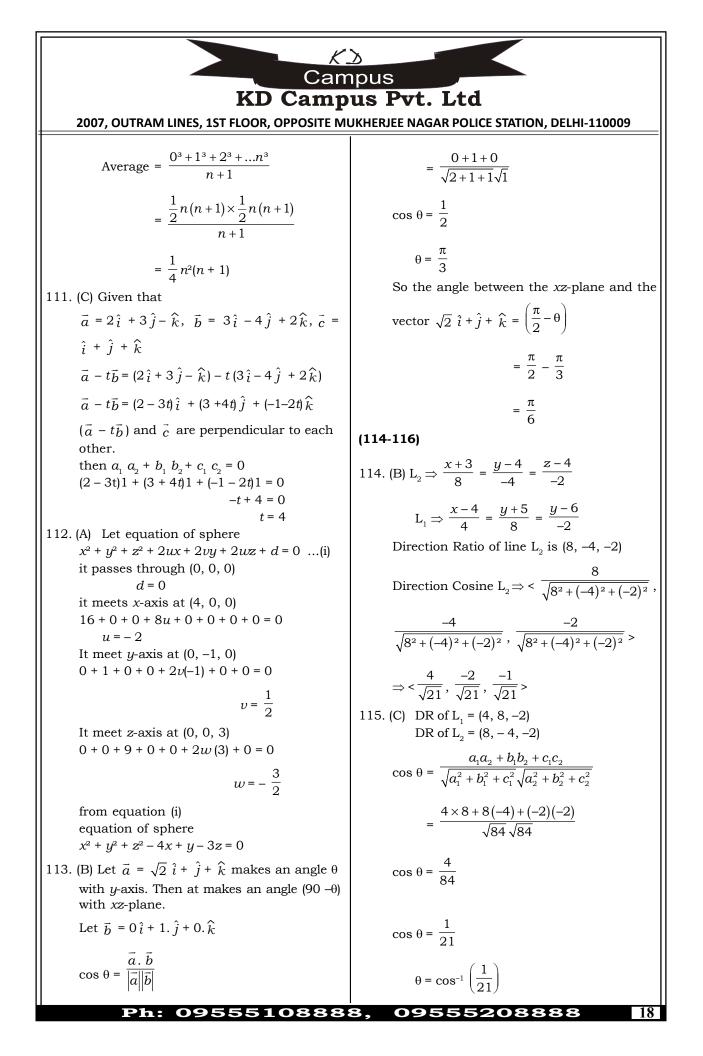


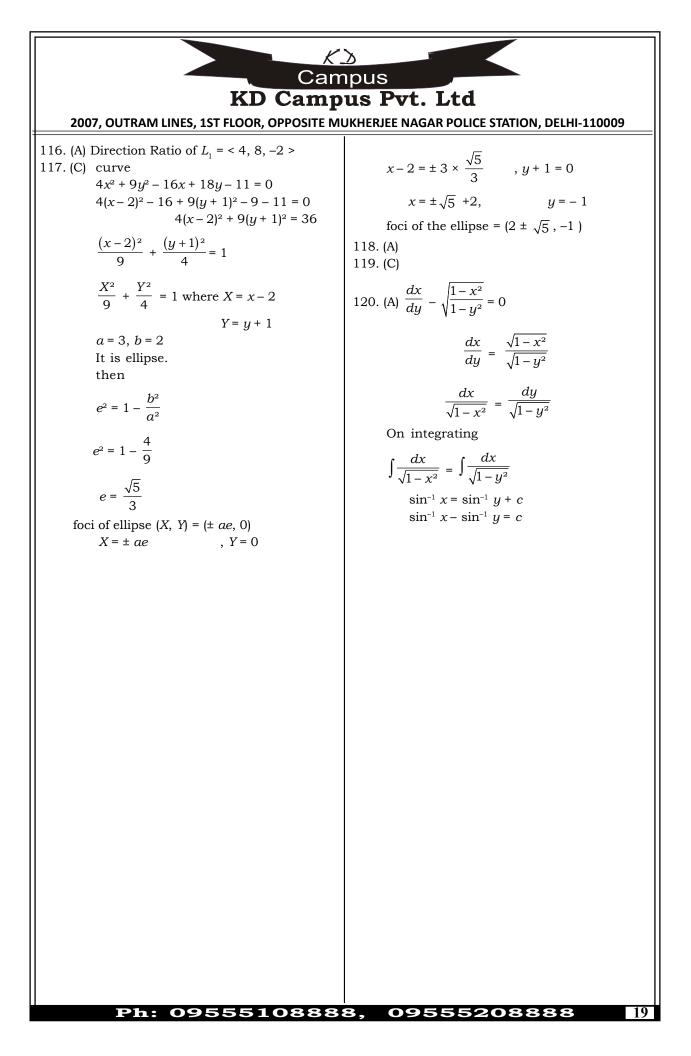












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NDA (MATHS) MOCK TEST - 80 (Answer Key)

1.	(C)	21.	(B)	41.	(A)	61.	(C)	81.	(B)	101. (C)
2.	(C)	22.	(D)	42.	(A)	62.	(A)	82.	(C)	102. (B)
3.	(B)	23.	(C)	43.	(D)	63.	(B)	83.	(A)	103. (C)
4.	(B)	24.	(C)	44.	(C)	64.	(A)	84.	(C)	104. (B)
5.	(C)	25.	(A)	45.	(A)	65.	(A)	85.	(A)	105. (A)
6.	(B)	26.	(B)	46.	(A)	66.	(D)	86.	(D)	106. (A)
7.	(B)	27.	(C)	47.	(C)	67.	(C)	87.	(C)	107. (C)
8.	(C)	28.	(A)	48.	(A)	68.	(C)	88.	(B)	108. (B)
9.	(A)	29.	(C)	49.	(A)	69.	(B)	89.	(C)	109. (C)
10.	(B)	30.	(C)	50.	(C)	70.	(A)	90.	(A)	110. (A)
11.	(C)	31.	(C)	51.	(B)	71.	(C)	91.	(C)	111. (C)
12.	(C)	32.	(A)	52.	(D)	72.	(C)	92.	(A)	112. (A)
13.	(D)	33.	(B)	53.	(D)	73.	(D)	93.	(C)	113. (B)
14.	(C)	34.	(D)	54.	(C)	74.	(C)	94.	(C)	114. (B)
15.	(A)	35.	(C)	55.	(A)	75.	(B)	95.	(C)	115. (C)
16.	(B)	36.	(A)	56.	(C)	76.	(C)	96.	(C)	116. (A)
17.	(C)	37.	(C)	57.	(D)	77.	(A)	97.	(C)	117. (C)
18.	(A)	38	(A)	58.	(C)	78.	(C)	98.	(A)	118. (A)
19.	(C)	39.	(A)	59.	(A)	79.	(C)	99.	(C)	119. (C)
20.	(B)	40.	(B)	60.	(A)	80.	(D)	100.	(C)	120. (A)

Note : If your opinion differ regarding any answer, please message the mock test and Question number to 8860330003

Note : *If you face any problem regarding result or marks scored, please contact :* 9313111777

Note : Whatsapp with Mock Test No. and Question No. at 705360571 for any of the doubts. Join the group and you may also share your sugesstions and experience of Sunday Mock Test.