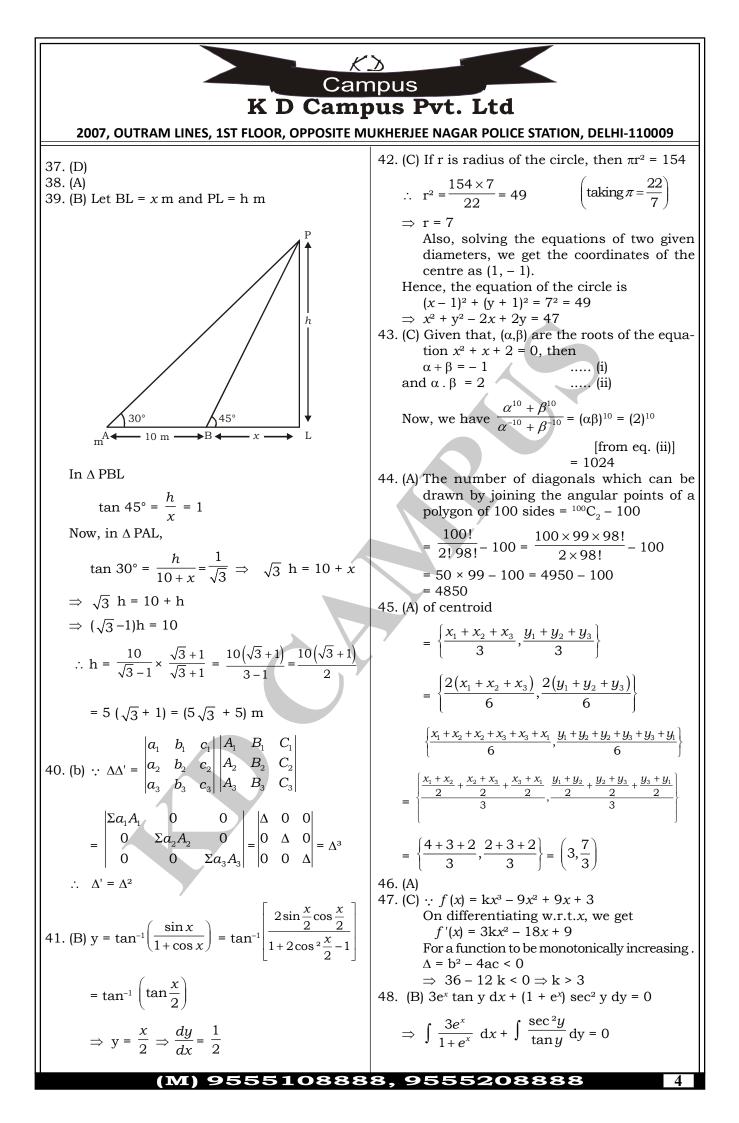
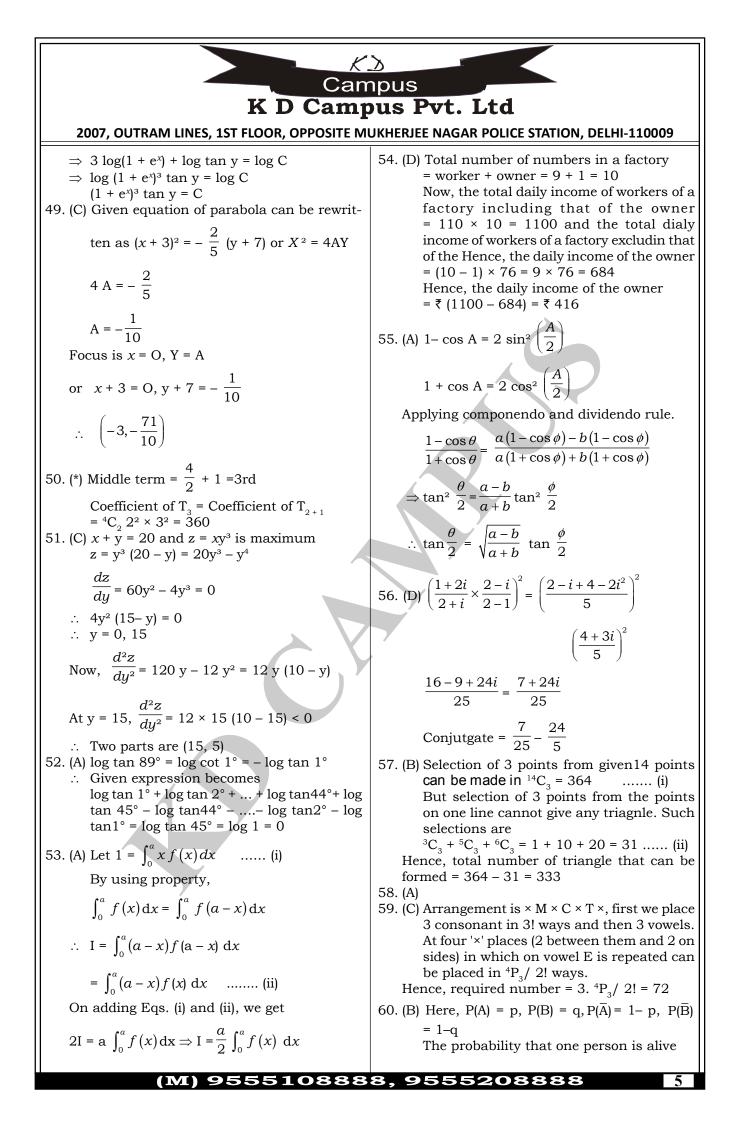
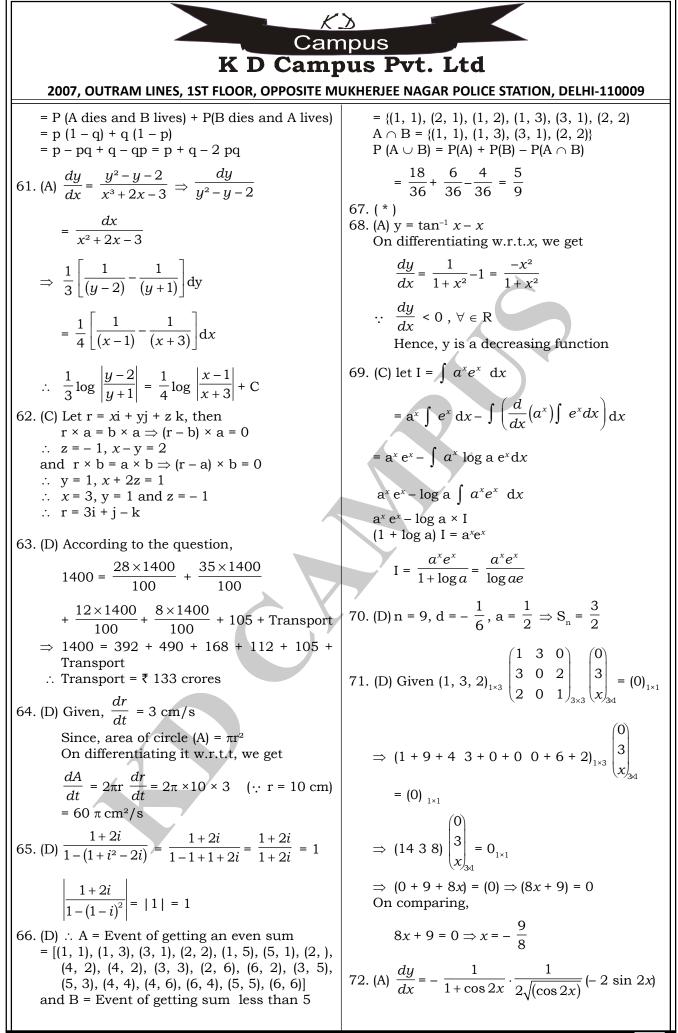


EXAMPLES 15: FLOR, OPPOSITE MUKHERLE NAGAR POLICE STATION, DELHI-110009
22. (D) R = [x : x is a set of all children of a same father.
Reflexive Let p be the children of same father.
And q and p be the children of same father.
And q and p be the children of same father.
And q and p be the children of same father.
So, q and p be the children of same father.
So pand r be the children of same father.
Since, R have all three properties such that
reflexive, symmetry and transitive, so R is
an equivalence relation.
23. (B)
$$1 - \int \frac{x(1-x)}{\sqrt{1-x^2}} dx$$

 $= \frac{1}{2} \int \frac{2x}{\sqrt{(1-x^2)}} dx + \int \frac{1-x^{n-1}}{\sqrt{(1-x^2)}} dx$
 $= -\frac{1}{2} \times 2\sqrt{(1-x^2)} + \int \sqrt{(1-x^2)} dx$
 $= -\frac{1}{2} \times 2\sqrt{(1-x^2)} + \frac{1}{2} = \sin(x)$
 $= -\frac{1}{2} \times 2\sqrt{(1-x^2)} + \frac{1}{2} = \sin(x)$
 $= -\frac{1}{2} \times 2\sqrt{(1-x^2)} + \frac{1}{2} = \sin(x)$
 $= -\frac{1}{2} \times 2\sqrt{(1-x^2)} = \frac{1}{2} = \sin(x)$
 $= -\frac{1}{2} \times 2\sqrt{(1-x^2)} = \frac{1}{2} = \sin(x)$
 $= \frac{1}{2} + \frac{1}{2} = \frac{1}{2}$

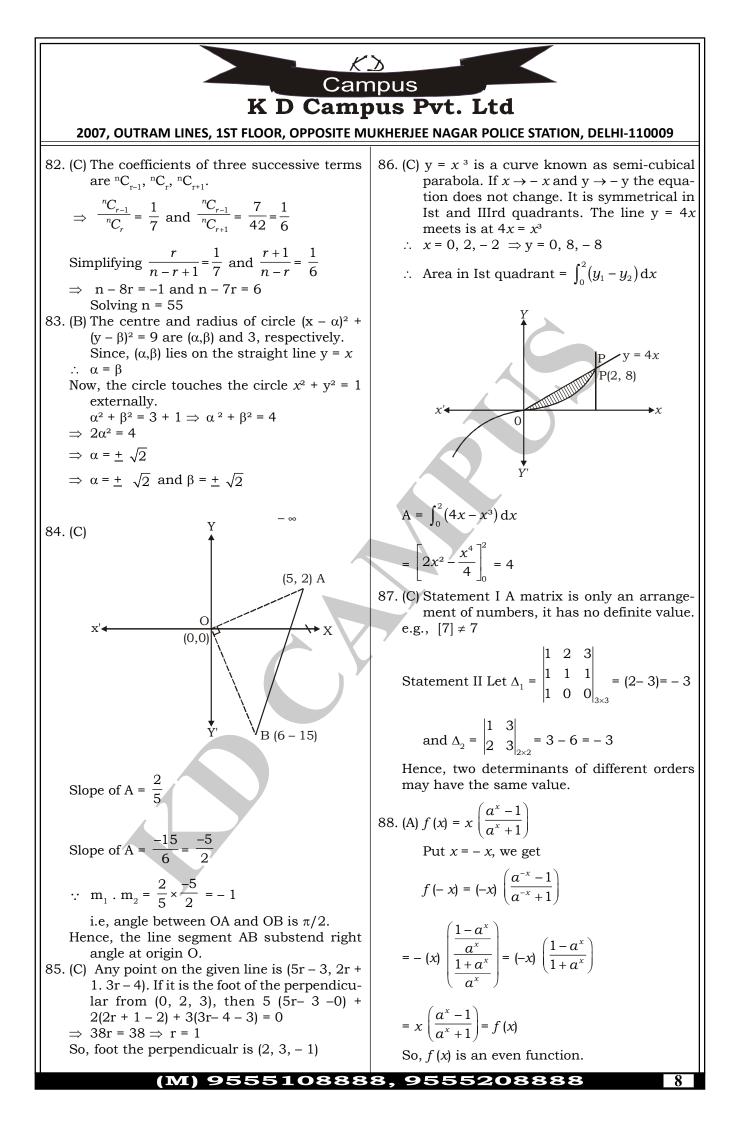


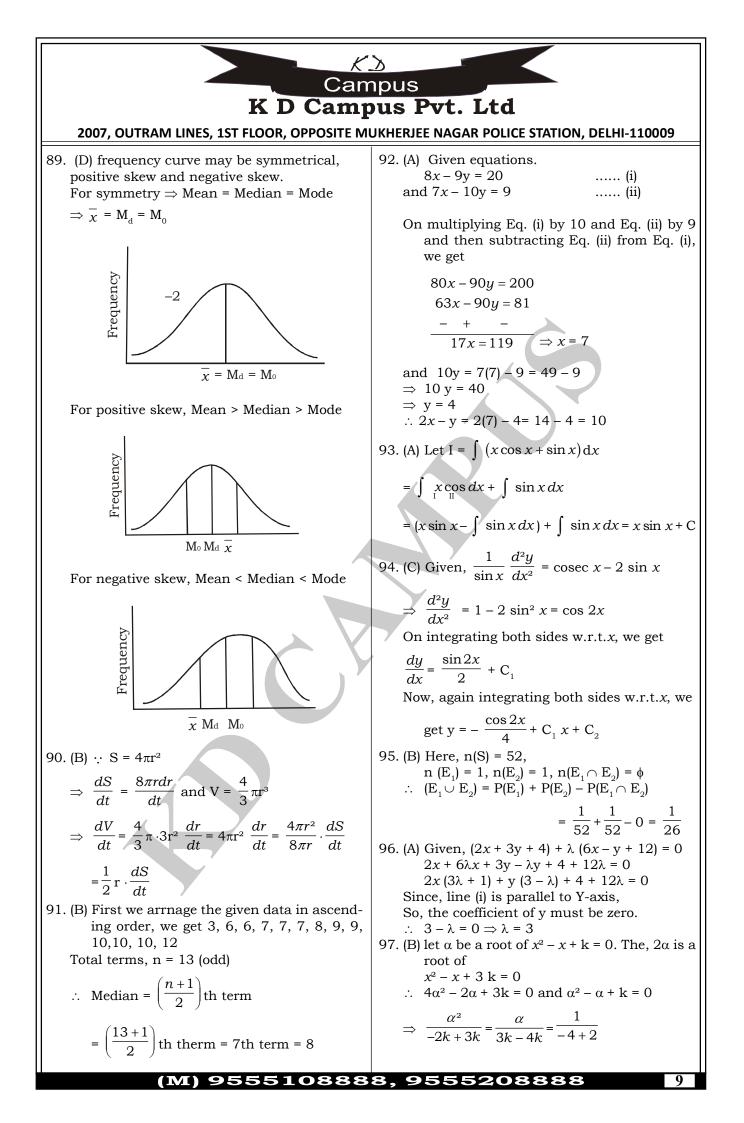


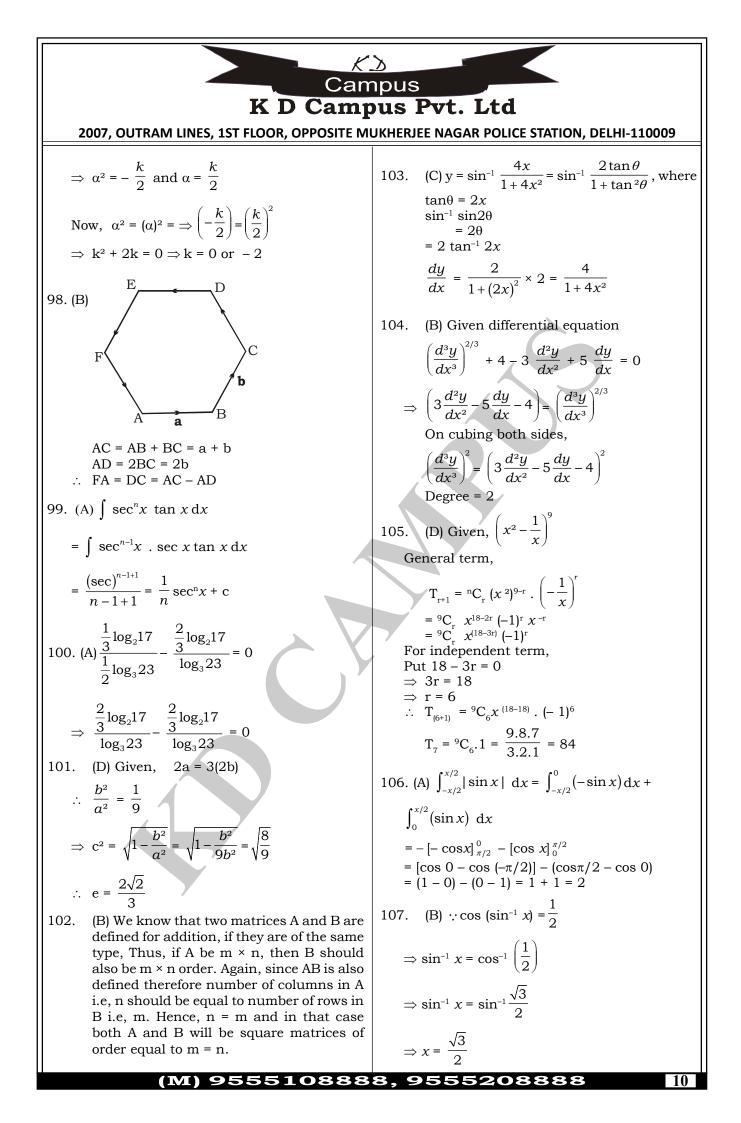


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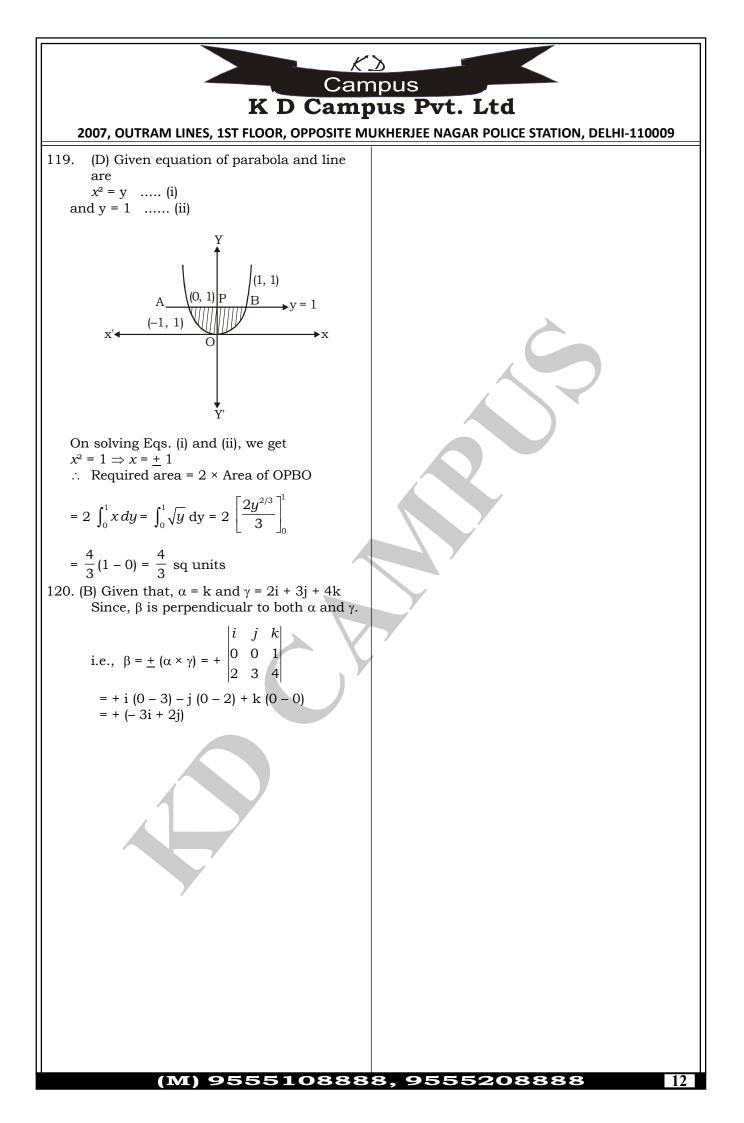
6







EXAMPLES 15T FLORE OPPOSITE MOREPORT Ltd
2007, OUTRAM LINES, 1ST FLORE, OPPOSITE MOREPORT AGAR POLICE STATION, DELHI-110009
(a) the thore of a set are measured in constant, then as the transmoder of the data remains unchanged, i.e., SD is 6.
112. (b) If the values of a set are measured in constant, then astandard deviation of the data remains unchanged, i.e., SD is 6.
113. (b) If a fach, item of a data is increased or decreased by the same constant, then astandard deviation of the data remains unchanged, i.e., SD is 6.
114. (b) If the values of a set are measured in constant, then astandard deviation of the data remains unchanged, i.e., SD is 6.
115. (c) If
$$\frac{1}{x} \frac{1}{2e^x - 1}$$
 dx = $\ln \frac{3}{2}$
110. (c) $\int_{-\infty}^{\infty} \frac{1}{2e^x - 1}$ dx = $\ln \frac{3}{2}$
111. (c) $\int_{-\infty}^{\infty} \frac{1}{2e^x - 1}$ dx = $\ln \frac{3}{2}$
112. (c) $\int_{-\infty}^{\infty} \frac{1}{2e^x - 1}$ dx = $\ln \frac{3}{2}$
113. (d) the definition of the greatest integer function, $|x| = -1$ when $-1 \le x < 0$... (i)
114. (d) Since $f(0 - 0) = \lim_{\infty} \sin 1 - \sin 1$ and $|x| = 0$ when $0 \le x < 1$ (ii)
 $f(x) = \frac{\sin(-1)}{e^x} - \sin 1$ when $-1 \le x < 0$... (j)
115. (D) $\because x + iy = \left[\frac{6i - 3i}{2i} - 1\right] - \frac{1}{2i}$
 $= \frac{1}{2} \times 4(x + a - B ag units)$
 $\Rightarrow e^x + 4 = x - \ln 4$
 $= \frac{1}{2} \times 4(x + a - B ag units)$
 $= \frac{1}{2} \times 4(x + a - B ag units)$
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 $= \frac{1}{2} \times 4(x - a - B a$



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2007, OUTRAM LINES, 1ST FLOOR, OPPOSITE MUKHERJEE NAGAR POLICE STATION, DELHI-110009

NDA (MATHS) MOCK TEST - 37 (Answer Key)

$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	 (B) (D) (D) (E) (E) (E) (E) (C) (A) (C) (A) (A) (C) (A) (A) (A) (A) (A) (A) (A) (B) (B) 	$\begin{array}{cccc} 41. & (B) \\ 42. & (C) \\ 43. & (C) \\ 44. & (A) \\ 45. & (A) \\ 45. & (A) \\ 45. & (A) \\ 46. & (A) \\ 47. & (C) \\ 48. & (B) \\ 49. & (C) \\ 50. & (^*) \\ 51. & (C) \\ 52. & (A) \\ 53. & (A) \\ 54. & (D) \\ 55. & (A) \\ 54. & (D) \\ 55. & (A) \\ 56. & (D) \\ 57. & (B) \\ 58. & (A) \\ 59. & (C) \\ 60. & (B) \end{array}$	61. (A) 62. (C) 63. (D) 64. (D) 65. (D) 66. (D) 67. (*) 68. (A) 69. (C) 70. (D) 71. (D) 72. (A) 73. (B) 74. (B) 75. (A) 76. (D) 77. (C) 78. (C) 79. (D) 80. (C)	 81. (A) 82. (C) 83. (B) 84. (C) 85. (C) 86. (C) 87. (C) 88. (A) 89. (D) 90. (B) 91. (B) 92. (A) 93. (A) 94. (C) 95. (B) 96. (A) 97. (B) 98. (B) 99. (A) 100. (A) 	101. (D) 102. (B) 103. (C) 104. (B) 105. (D) 106. (A) 107. (B) 108. (D) 109. (B) 110. (C) 111. (B) 112. (B) 113. (B) 114. (D) 115. (D) 116. (A) 117. (A) 118. (D) 119. (D) 120. (B)
		oblem regard	ling result or	marks scored,	please
Note:- If yo	313111777 ur opinion di <u>f</u> lestion numbe			er, please mess	age the mock

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