

MATHS 12(G)
CLASS-X(GSEB)
DATE: 11-03-2020
ANSWER KEY

1. Parabola
2. Real and Distinct Roots ($D > 0$ for quadratic Equation)
3. (B) 4
Common difference must be same
 $13 - (2K) = 5K - 3 - 13$
 $7K = 28$
 $K = 4$
4. (A) $20\sqrt{3}$, 40
 $\tan 30^\circ = BC/AB = AB = 20\sqrt{3}$ cm
 $\sin 30^\circ = BC/AB = AC = 40$
5. (C) 3
6. (B) 17/248
7. 1610
 $a = 23$
 $b = 5 \times 7$
 $c = 2 \times 23$
 $\text{LCM} = 2 \times 5 \times 7 \times 23 = \mathbf{1610}$
8. 5
By adding both the equations $32x + 32y = 160 : x + y = 5$
9. $x + y + 15$
10. - 8
11. 81
12. 128 cm^2
13. 16 : 9
14. True
15. False
16. False
 $P(53 \text{ Monday}) = 2/7$

JUNIOR DIVISION
(PCCP: V to X)

JEE(MAIN)
(YCCP: XI to XII & XII+)

JEE(ADVANCED)
(YCCP: XI to XII & XII+)

PRE-MEDICAL(AIIMS/NEET)
(YCCP: XI to XII & XII+)

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Total Students Qualified
for JEE(Advanced) 2019

96*

195*

Total Students Selected
in JEE(Main) 2019

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69+

Students Enrolled in
Reputed Engineering Colleges

Success@ NEET-2019



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