



DPP – 3 (Basic Math)

https://physicsaholics.com/home/courseDetails/36 Video Solution on Website:-Video Solution on YouTube:https://youtu.be/gboSWA1HIuM https://physicsaholics.com/note/notesDetalis/70 Written Solution on Website:-Distance between foci of ellipse $\frac{x^2}{25} + \frac{y^2}{9} = 1$ is Q1. (a) 9 (c) 6(d) 8 Q 2. Equation of parabola opening up passing through (3,4) and having vertex at origin is (a) $x = \frac{4}{2}y^2$ (b) $y = \frac{2}{3} x^2$ (c) $y = \frac{4}{2} x^2$ (d) $y = \frac{4}{2} x^2$ Which of the following is an equation of circle: Q 3. (a) $x^2 + y^2 = 2^2$ (b) $x^2v + v^2 = 2^2$ (c) xyz(d) None of these Which of the following is an equation of parabola: Q4. (b) $y^2 = 2^2 bx$ (a) $x^2 = 4ay$ (c) $x^2 = cy$ (d) All of these Which of the following is an equation of ellipse: Q 5. (a) $\frac{x^2}{a} + \frac{y^2}{b} = 1$ (b) $\frac{y^2}{a^2} + \frac{x^2}{b^2} = 1$ (c) $\frac{x^2}{2}$ (d) All of these Which of the following is not an equation of circle; O 6. (a) $(x-2)^2 + (y-1)^2 = 2^2$ (b) $(x+2)^2 + (y-4)^2 = 4$ (c) $(x-2)^2 + v^2 = 2^2$ (d) None of these Curve of $Y = 3x^2$ can be: Q7. Х Х (a) (b) y y Х Х (d) (c)

Q 8. Curve of $\frac{x^2}{4} + \frac{y^2}{9} = 1$ is:



Q 13. A particle is moving in such a way that sum of its distances from two fixed points always remains constant . Path of particle is (a) circle (b) parabola (c) ellipse (d) hyperbola





Answer Key

Q.1 d	Q.2 d	Q.3 a	Q.4 d	Q.5 d
Q.6 d	Q.7 a	Q.8 b	Q.9 c	Q.10 d
Q.11 b	Q.12 a	Q.13 c		

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Written Solution

DPP-3 Basic Maths: Geometry (Mathematical Curves) By Physicsaholics Team















Ans. a





Solution: 9











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