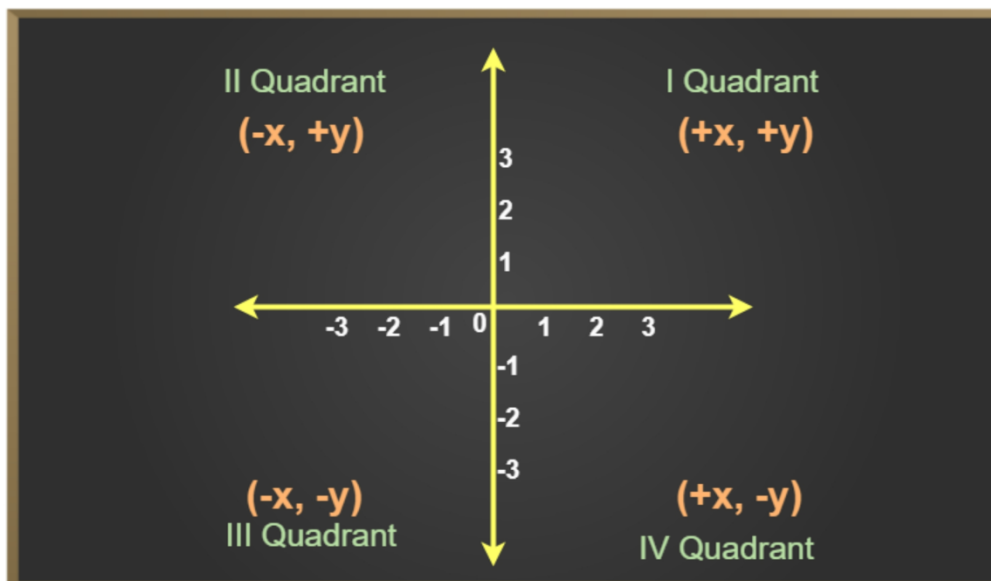




MATHEMATICS - 10TH

IMPORTANT MCQ'S - MATHS (10TH GRADE)



COORDINATE GEOMETRY



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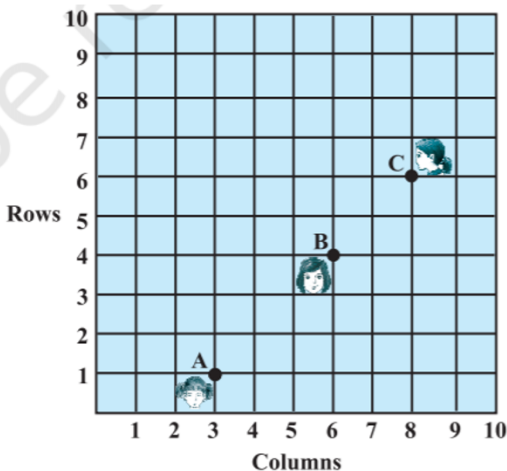
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Material Curated by
Er. Sonal Agrawal Sir
Ex. Scientist , BARC Mumbai



10th - Maths

SN		Marks
1	<p>Name the type of the triangle formed by the points $(3, 2)$, $(2, 3)$, $(-2, -3)$.</p> <p>(a) Acute triangle (b) Isosceles triangle</p> <p>(c) Right triangle (d) Equilateral triangle</p>	1
2	 <p>The above image shows the arrangement of desks in a classroom. Ashima, Bharti and Camella are seated at A $(3, 1)$, B $(6, 4)$ and C $(8, 6)$ respectively. Do you think they are seated in a line?</p> <p>(a) YES (b) NO</p>	1
3	<p>Are the points $(1, 5)$, $(2, 3)$ and $(-2, -11)$ collinear?</p> <p>(a) YES (b) NO</p>	1
4	<p>Name the type of triangle formed by the points $(5, -2)$, $(6, 4)$ and $(7, -2)$.</p> <p>(a) Equilateral triangle (b) Right triangle</p> <p>(c) Scalene triangle (d) Isosceles triangle</p>	1
5	<p>Name the type of quadrilateral formed by the points $(-3, 5)$, $(3, 1)$, $(0, 3)$ and $(-1, -4)$.</p> <p>(a) Square (b) Rectangle</p> <p>(c) Parallelogram (d) Cannot form a General Quadrilateral</p>	1
6		1





	<p>The distance of the point $P(-6, 8)$ from the origin</p> <p>(a) 8 (b) $2\sqrt{7}$</p> <p>(c) 10 (d) 6</p>	
7	<p>The points $(-4, 0)$, $(4, 0)$, $(0, 3)$ are the vertices of a/an</p> <p>(a) right triangle (b) isosceles triangle</p> <p>(c) equilateral triangle (d) scalene triangle</p>	1
8	<p>The value of p for which the points $(-5, 1)$, $(1, p)$ and $(4, -2)$ are collinear is</p> <p>(a) 0 (b) -1</p> <p>(c) -2 (d) -3</p>	1
9	<p>If the point $C(k, 4)$ divides the join of the points $A(2, 6)$ and $B(5, 1)$ in the ratio 2:3 then the value k is</p> <p>(a) 16 (b) $\frac{28}{5}$</p> <p>(c) $\frac{16}{5}$ (d) $\frac{8}{5}$</p>	1
10	<p>The perimeter of the triangle with vertices $(0, 4)$, $(0, 0)$ and $(3, 0)$ is</p> <p>(a) $7 + \sqrt{5}$ (b) 5</p> <p>(c) 10 (d) 12</p>	1
11	<p>If the distance between the points $A(4, p)$ and $B(1, 0)$ is 5 then</p> <p>(a) $p=4$ only (b) $p=-4$ only</p> <p>(c) $p=+4$ and $p=-4$ (d) $p=0$</p>	1
12	<p>If the point $P(2, 1)$ lies on the line segment joining points $A(4, 2)$ and $B(8, 4)$, then :</p> <p>(a) $AP = \frac{1}{3} AB$ (b) $AP = PB$</p> <p>(c) $PB = \frac{1}{3} AB$ (d) $AP = \frac{1}{2} AB$</p>	3
13	<p>If $Q(0, 1)$ is equidistant from $P(5, -3)$ and $R(x, 6)$ find the values of x.</p> <p>(a) 4, -4 (b) 2, 4</p> <p>(c) 1, 2 (d) None of these</p>	3





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21	<p>If A and B are $(-2, -2)$ and $(2, -4)$, respectively, find the coordinates of P such that $AP = \frac{3}{7} AB$ and P lies on the line segment AB.</p> <p>(a) $(\frac{2}{7}, \frac{20}{7})$ (b) $(-\frac{2}{7}, \frac{20}{7})$</p> <p>(c) $(\frac{2}{7}, -\frac{20}{7})$ (d) $(-\frac{2}{7}, -\frac{20}{7})$</p>	1
22	<p>Find the coordinates of a point A, where AB is the diameter of a circle whose centre is $(2, -3)$ and B is $(1, 4)$.</p> <p>(a) $(-3, 10)$ (b) $(3, -10)$</p> <p>(c) $(3, 10)$ (d) $(-3, -10)$</p>	1



CLASS
9th



KAVYA AGRAWAL
NEPS 93%



ARSH TIWARI
DPS B 92.4%



KINJAL MISHRA
KV KUSM 91%



SANIYA AGRAWAL
DDM KORBA 89%



KABERI KAR
JPS KORBA 87%



SMRITI DONGRE
DDM KORBA 87%



VANSHIKA AGRAWAL
NEPS KORBA 85%

CLASS
10th



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NIRMALA CBSE 94%



ARSHAD ALI
NIRMALA CBSE 93%



ANVESHA AGRAWAL
DPS NTPC 89%



ANSHU BHARDWAJ
ST. PALLOTI 88%



SATYAM KUMAR
NEPS 80%



ABHINAV ANAND
ST. PALLOTI 78%



ANMOL PATRA
NIRMALA CBSE 78%

CLASS
12th



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ST. PALLOTI 88%



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ST. PALLOTI 86%



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MANU KASHYAP
IIT DELHI



SUSHEELA SINGH
IIT MADRAS



ATUL BANJARE
IIT KHARAGPUR



VIBHA RANJAN
IIT GUWAHATI



RAHUL KUMAR
IIT BOMBAY



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IIT BOMBAY



PRAKHAR JAIN
IISc BANGALORE



ANKUR GUPTA
IIT HYDERABAD

Many More

Sonal Sir With Director ISRO (PS Goel Sir)



SONAL SIR

- Ex Government Nuclear Scientist Bhabha Atomic Reserch Centre (Mumbai)
- Trained More then 1 lakh students online and Offline - Bilaspur, Bhilai, Delhi



Susmita Kaviraj
Selected in NTPC

P Chaitanya
Selected in IIT-Bombay,
Placed in Micron



Prakhar Jain
Selected in IISc Bangalore,
Placed in Samsung

सीयू के छात्र मनु व मनीष का इंटेल कंपनी में चयन, 21 लाख सालाना पैकेज



बिलासपुर छात्र मनु कश्यप और मनीष कुमार सिंह का चयन इंटेल प्राइवेट लिमिटेड के लिए हुआ है। कंपनी इन छात्रों को सालाना 21 लाख रुपए का पैकेज दे रही है। ये दोनों छात्र सत्र 2017 में सीयू के इलेक्ट्रॉनिक्स एंड कम्युनिकेशन इंजीनियरिंग विभाग से बोटिक की उपाधि प्राप्त की। वर्तमान में ये भारतीय प्रौद्योगिकी संस्थान (आईआईटी) दिल्ली में एमटेक कर रहे हैं। इंटेल कॉर्पोरेशन एक अमेरिकी बहुराष्ट्रीय कंपनी है। सिलिकॉन वैली में सांता क्लारा स्थित इस कंपनी का भारत में मुख्यालय बंगलूरु है।

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MATHEMATICS - 10TH

IMPORTANT MCQ'S – MATHS (10TH GRADE)

COORDINATE GEOMETRY

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C	A	B	D	D	C	B	B
9	10	11	12	13	14	15	16
C	D	C	D	A	A	B	C
17	18	19	20	21	22	23	24
A	B	A	D	D	B	-	-
25	26	27	28	29	30	31	32
-	-	-	-	-	-	-	-
33	34	35	36	37	38	39	40
-	-	-	-	-	-	-	-
41	42	43	44	45	46	47	48
-	-	-	-	-	-	-	-