

2018 Maths Entrance Exam

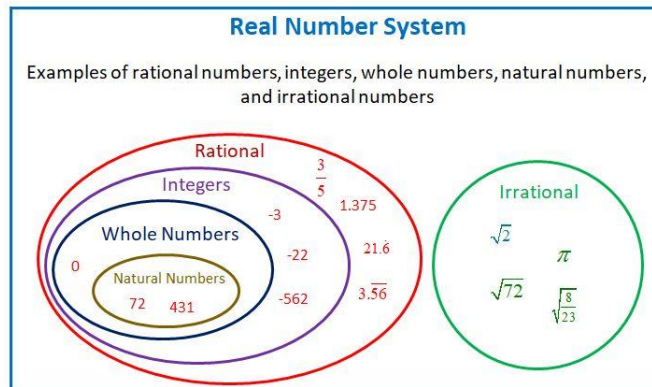
 Grade 9&10/Common

 Grade 11&12/New

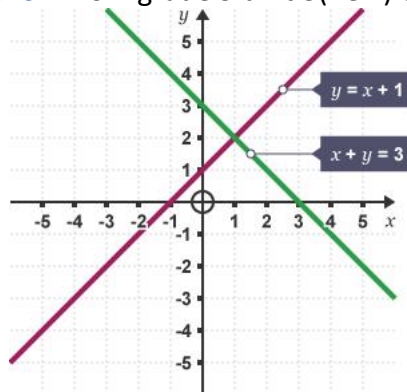
እንኳን ለ 2018 አመተ ምህረት የትምህርት ዘመን አደረሳችሁ እያልን ከዚህ በታች እንዴት ከዘጠኝ እስከ አስራ ሁለተኛ ክፍል ያሉ ትምህርቶችን በአንድ እንዴት አገናኝታችሁ ማንበብ እንደምትችሉ እንዲሁም እኛ የምንሰጠው የ Entrance Tricks Class በዚሁ መልኩ ይሄን መሠረት በማድረግ እንደ ሚሆን ጭምር ልናሳውቃችሁ እንወዳለን።

Mathematics Related Content for 2018 Entrance

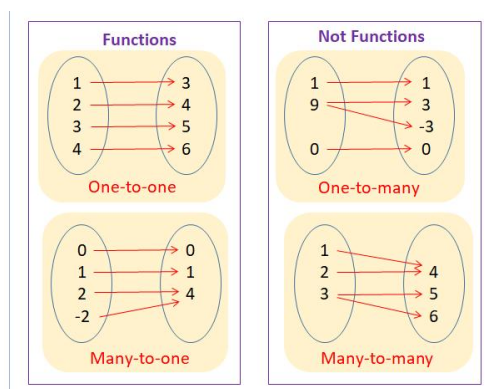
◆ Chapter 1; **Number system** = from grade 9 unit 2(new) or grade 9 unit 1(old)



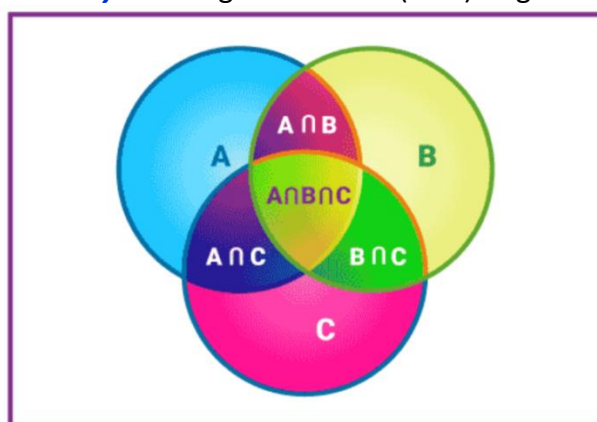
◆ Chapter 2; **Solving equations** = from grade 9 unit 3(new) or grade 9 unit 2(old)



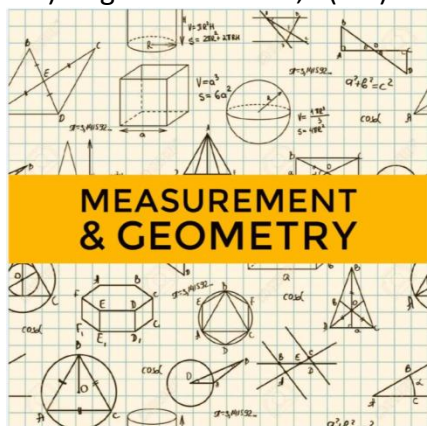
◆ Chapter 3; **Relation, Functions and types of functions** = from grade 9 unit 4(old) or grade 10 unit 1(new), grade 10 unit 2(new) or grade 10 unit 1 (old), grade 10 unit 3(new) or grade 10 unit 2 (old), grade 10 unit 4(new) or grade 10 unit 5(old) and grade 11 unit 1 and grade 11 unit 2



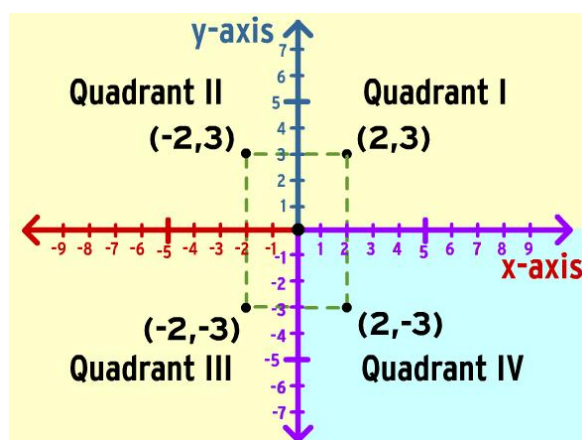
◆Chapter 4; **Set theory** = from grade 9 unit 1(new) or grade 9 unit 3(old)



◆Chapter 5; **Geometry and Measurements** = from grade 9 unit 5,6,7(new) or grade 9 unit 5(old) and grade 10 unit 5,6(new) or grade 10 unit 6, 7(old)



◆Chapter 6; **Coordinate Geometry** = from grade 10 unit 4(new) or grade 10 unit 4(old)



◆Chapter 7; *Matrices and determinant* = from grade 11 unit 3 and grade 11 unit 4

2 x 2 matrix

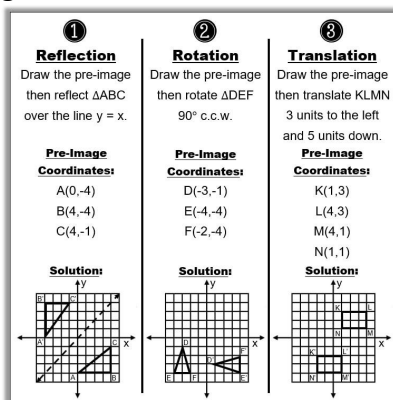
$$|A| = \begin{vmatrix} a_{11} & a_{12} \\ a_{21} & a_{22} \end{vmatrix} = a_{11}a_{22} - a_{12}a_{21}$$

3 x 3 matrix

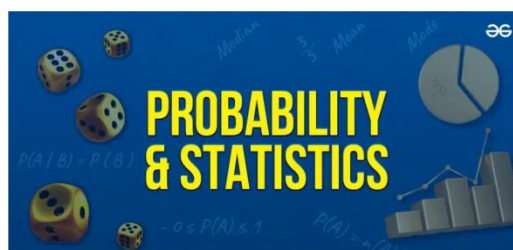
$$|A| = \begin{vmatrix} a_{11} & a_{12} & a_{13} \\ a_{21} & a_{22} & a_{23} \\ a_{31} & a_{32} & a_{33} \end{vmatrix} = a_{11} \begin{vmatrix} a_{22} & a_{23} \\ a_{32} & a_{33} \end{vmatrix} - a_{12} \begin{vmatrix} a_{21} & a_{23} \\ a_{31} & a_{33} \end{vmatrix} + a_{13} \begin{vmatrix} a_{21} & a_{22} \\ a_{31} & a_{32} \end{vmatrix}$$

$$= a_{11}a_{22}a_{33} + a_{12}a_{23}a_{31} + a_{13}a_{21}a_{32} - a_{13}a_{22}a_{31} - a_{12}a_{21}a_{33} - a_{11}a_{23}a_{32}$$

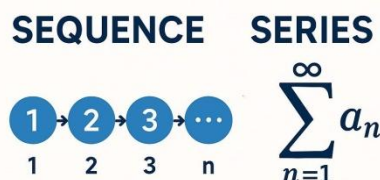
◆Chapter 8; *Vectors and transformation of plane* = from grade 9 unit 8(new) or grade 9 unit 7 (old) and grade 11 unit 5 and grade 11 unit 6



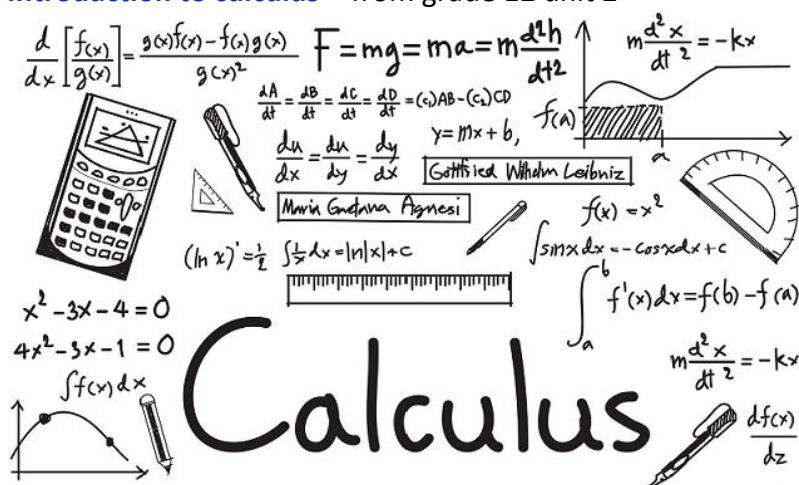
◆chapter 9; *Statistics and probability* = from grade 9 unit 9(new) or grade 9 unit 6 ,grade 11 unit 7 and grade 11 unit 8 and grade 12 unit 3



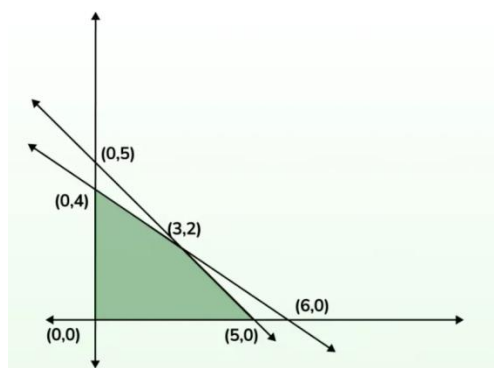
◆ Chapter 10; *Sequence and series* = from grade 12 unit 1



◆ Chapter 11; *Introduction to calculus* = from grade 12 unit 2



◆ Chapter 12; *Linear programing* = from grade 12 unit 4



◆ Chapter 13; *Mathematical applications in business* = from grade 12 unit 5



THE END

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