E050 Online Test

Ref102

The degree of the following polynomial is

$$3X^{15} + 7.6 X^8 - 4X^2$$

Α	15	В	8
С	С	D	4
	Answer		

Ref105

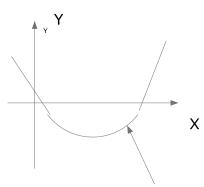
The factors of the followings are

$$X^2 + 4X + 3$$

Α	(X+2)(X+1)	В	(X-3) (X+1)
С	(X+3) (X+1)	D	(X-3) (X-1)
	Answer		

Ref108

Axis of symmetry , X axis crossing point and Y axis crossing point of the given graph are



$$Y = 2 X^2 - 12X + 3$$

Α	(3,-5)(0,3)(5.5,0.5)	В	(5,-3)(3,0) (0.5,5.5)
С	(0,0)(3,3)(5,0.5)	D	(3,-5) (1,2) (5.5,0.5)
	Answer		

Ref109

The answer of

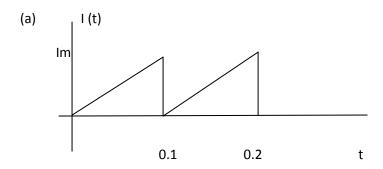
$$\int \sin^2 3X \, dX$$

is

Α	X/3 – Sin 6X +C	В	X ² –Sin 3X +C
С	X/2 - 1/12 Sin 6X + C	D	X – 12 Sin 6X + C
	Answer		

Ref112

The average value of the following waveform is



Α	lm / 3	В	Im / 6
С	lm / 12	D	Im / 2
	, 12		, _
	Answer		

Ref117

Sin (180 -⊖) is

А	-sin ⊖	В	sin Θ
С	Cos θ	D	- Cos θ
	Answer		

Ref121

Cos $(\alpha - \beta)$ is equal to

Α	Cos α Cosβ+ Sinα Sinβ	В	Cos α Sinβ+ Sinα Cosβ
С	Sinα Sinβ -Cos α Cosβ	D	Sinα Cosβ + Cos α Sinβ
	Answer		

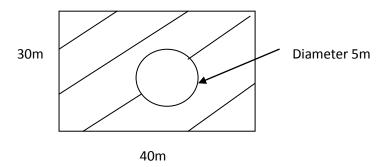
Ref124

If a body undergoes a displacement in 12 km due north followed by a displacement of 5 km due east. Find the displacement and direction.

Α	13, 22.6 deg	В	17, 0 deg
С	7, 90 deg	D	13, 90 deg
	Answer		

Ref126

Find the area of shading



Α	900 m ²	В	200 m ²
С	1196.85 m ²	D	450 m ²
	Answer		

Ref129

The differential of $Y = 5 X^3 + 6X^2 + 7$ is equal to

Α	X ² +3X	В	15X + 2
С	15X ² +12X	D	12X ² +15X
	Answer		

Ref133

Differential of d / dx ($Log_e X^2$) is

Α	1/X	В	2/X
С	X ²	D	1/ X ²
	Answer		

Ref136

The answer of e^{ax}

$$\int ---- dx is$$

$$e^{ax} + a$$

А	1/a Ln (e ^{ax} +a)	В	a Ln (e ^{ax} +a)
С	Ln (e ^{ax} +a)	D	1/a
	Answer		