E050 Online Test

Ref103

The degree of the following polynomials are

$5x+3$ and $4X^3$

A	1,3	B	3,1
C	1,1	3	3
	Answer		

Ref106

The answer of the following equation is

$(X+7)\ (X-7) = 83$

A	6	B	12
C	√132	D	√ 61
	Answer		

Ref111

The answer of the following definite integral is

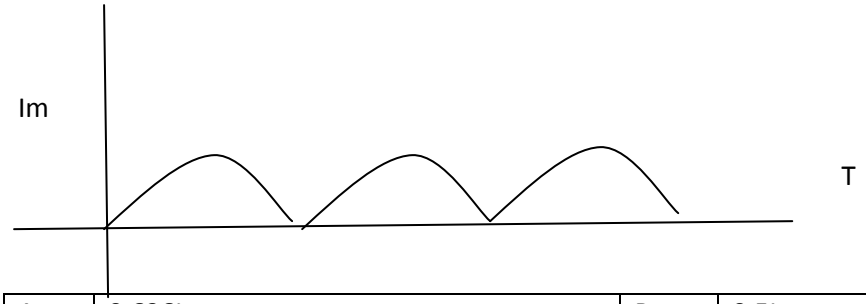
$$\int_2^4 X^2 \, dX$$

A	8	B	16
C	32	D	64
	Answer		

Ref113

The average value of the following waveform is

I (wt)



A	0.636Im	B	0.5Im
C	0.707Im	D	1.4142Im
	Answer		

Ref114

If Log_3 81 = X , then X is

A	3	B	2
C	4	D	1/2
	Answer		

Ref117

Sin (180 -Θ) is

A	-sin Θ	B	sin Θ
C	Cos Θ	D	- Cos Θ
	Answer		

Ref120

$Sec^2 \theta$ is equal to

A	$1+ Tan^2 \theta$	B	$Tan^2 \theta-1$
C	$1-Tan^2 \theta$	D	$1+cot^2 \theta$
	Answer		

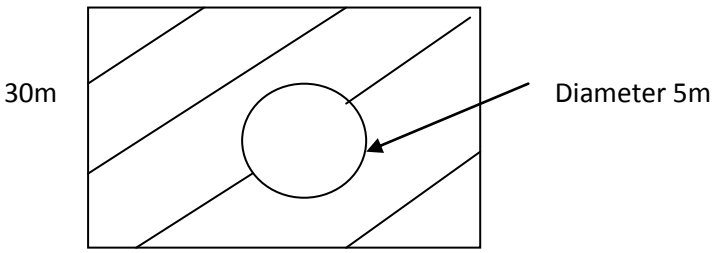
Ref123

The exact value of Sin 15 is

A	$\frac{1 - \sqrt{3}}{2\sqrt{2}}$	B	$\frac{\sqrt{3}}{2\sqrt{2}}$
C	$\frac{\sqrt{3} - 1}{2\sqrt{2}}$	D	1 / 2
	Answer		

Ref126

Find the area of shading



A	$900\ m^2$	B	$200\ m^2$
C	$1196.85\ m^2$	D	$450\ m^2$
	Answer		

Ref129

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

A	X^2+3X	B	15X + 2
C	$15X^2+12X$	D	$12X^2+15X$
	Answer		

Ref132

$$\frac{d}{dx} \left(\frac{X}{(X+1)} \right) =$$

A	1/ (X+1)	B	2/X
C	X^2	D	$1/ X^2$
	Answer		

Ref135

If $X^2 + Y^2 = 4$, dy / dx is

A	-X/ Y	B	Y/X
C	X/Y	D	$1/ X^2$
	Answer		