Complete

Mark 5.00 out of 5.00

$$\sinh x = \frac{4}{3} \text{ then } \cosh x = ?$$

Select one:



$$\pm \frac{3}{5}$$

$$\pm \frac{5}{3}$$

$$\pm \frac{\sqrt{7}}{3}$$

$$\pm \frac{1}{3}$$

The correct answer is:

$$\pm \frac{5}{3}$$

Complete

Mark 5.00 out of 5.00

Mark Your attendance.

Select one:

- a. Absent
- b. Present

The correct answers are: Present, Absent

Complete

Mark 0.00 out of 5.00

Roots of $x^{16} + i = 0$ are

Select one:

- a. $cos\{(4k+1)\pi/32\} isin\{(4k+1)\pi/32\}$, k = 0,1,2,...,15
- o b. $cos\{(4k+1)\pi/16\} + isin\{(4k+1)\pi/16\}$, k = 0,1,2,...,15
- $\cos\{(4k+1)\pi/32\} + i\sin\{(4k+1)\pi/32\}$, k = 0,1,2,...,15
- o d. $cos{(4k+1)\pi/16}-isin{(4k+1)\pi/16}$, k=0,1,2,...,15

The correct answer is:

$$\cos\{(4k+1)\pi/32\} - i\sin\{(4k+1)\pi/32\}$$
, $k = 0,1,2,...,15$

Complete

Mark 5.00 out of 5.00

If
$$x = \left(\cos\frac{\pi}{14} + i\sin\frac{\pi}{14}\right)$$
, $y = \left(\cos\frac{9\pi}{14} + i\sin\frac{9\pi}{14}\right)$ then $x^5y^{15} = ?$

Select one:

- e^{i10π}
- e^{i20π}
- e^{/15π}
- e^{/5π}

The correct answer is:

 $e^{i10\pi}$

Complete

Mark 5.00 out of 5.00

If
$$x + iy = 2\cosh\left(\alpha + i\frac{\pi}{4}\right)$$
, the value of $x^2 - y^2$ is

Select one:

- a. 0.5
- o b. 0
- O c. 1
- d. 2

The correct answer is: 2