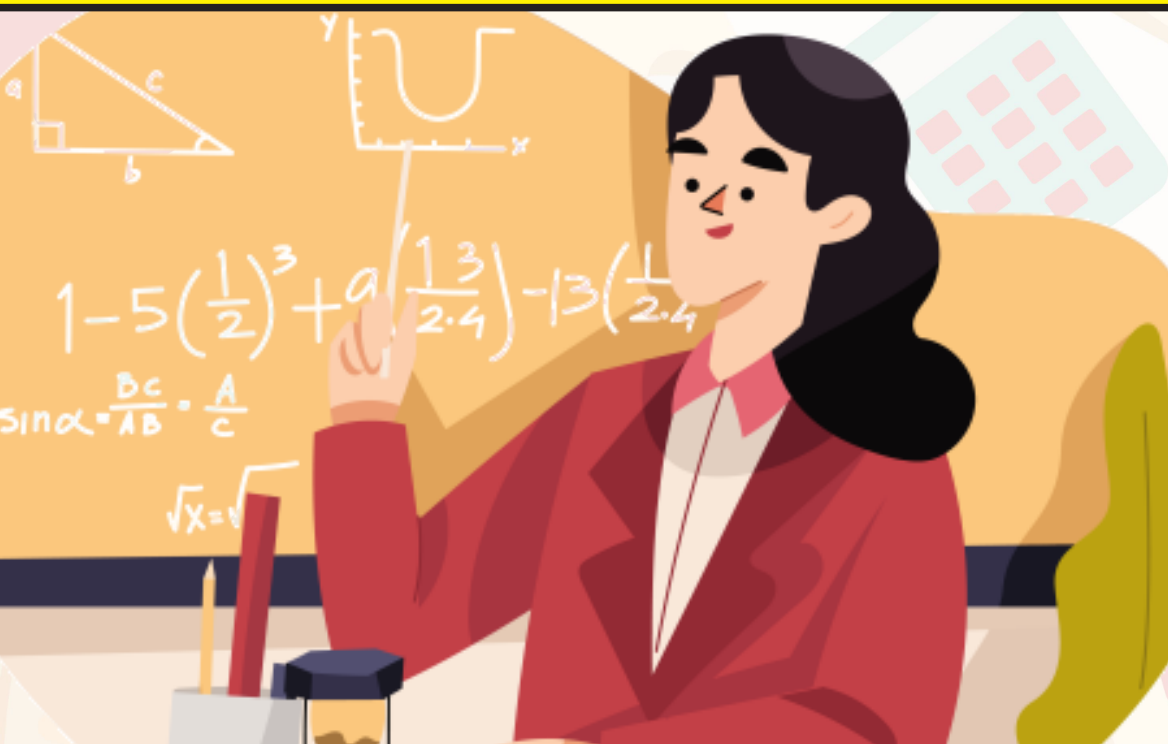
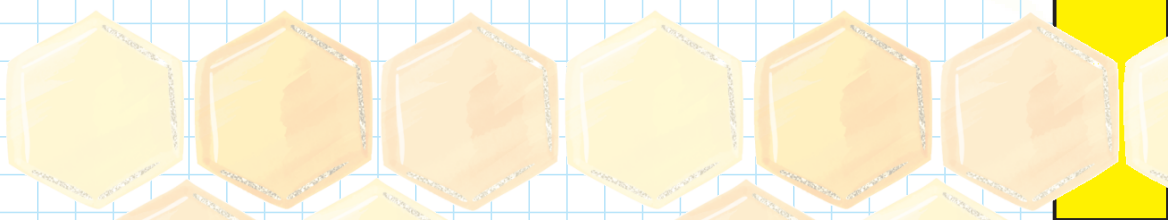


มัธยมศึกษาปีที่3



อัตราส่วนตรีโกณมิติ
แบบฝึกหัด





Calculate the value

11

[#1] $\sin(180^\circ) =$

[#2] $\cos(0^\circ) =$

[#3] $\cos(180^\circ) =$

[#4] $\sin(0^\circ) =$

[#5] $\tan(45^\circ) =$

[#6] $\sin(270^\circ) =$

[#7] $\tan(90^\circ) =$

[#8] $\sin(60^\circ) =$

[#9] $\cos(90^\circ) =$

[#10] $\tan(180^\circ) =$

[#11] $\cos(60^\circ) =$

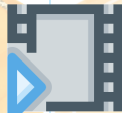
[#12] $\sin(90^\circ) =$

[#13] $\sin(30^\circ) =$

[#14] $\cos(270^\circ) =$

[#15] $\tan(60^\circ) =$

[#16] $\cos(45^\circ) =$





$$[#1] \sin(180^\circ) = 0$$

$$[#2] \cos(0^\circ) = 1$$

$$[#3] \cos(180^\circ) = -1$$

$$[#4] \sin(0^\circ) = 0$$

$$[#5] \tan(45^\circ) = 1$$

$$[#6] \sin(270^\circ) = -1$$

$$[#7] \tan(90^\circ) = \text{เป็นไปไม่ได้}$$

$$[#8] \sin(60^\circ) = \sqrt{\frac{3}{2}}$$

$$[#9] \cos(90^\circ) = 0$$

$$[#10] \tan(180^\circ) = 0$$

$$[#11] \cos(60^\circ) = \frac{1}{2}$$

$$[#12] \sin(90^\circ) = 1$$

$$[#13] \sin(30^\circ) = \frac{1}{2}$$

$$[#14] \cos(270^\circ) = 0$$

$$[#15] \tan(60^\circ) = \sqrt{3}$$

$$[#16] \cos(45^\circ) = \frac{\sqrt{2}}{2}$$



Calculate the value

11

[#1] $\tan(270^\circ) =$

[#2] $\sin(45^\circ) =$

[#3] $\tan(0^\circ) =$

[#4] $\cos(30^\circ) =$

[#5] $\tan(30^\circ) =$

[#6] $\sin(45^\circ) =$

[#7] $\cos(0^\circ) =$

[#8] $\cos(270^\circ) =$

[#9] $\cos(90^\circ) =$

[#10] $\sin(0^\circ) =$

[#11] $\tan(45^\circ) =$

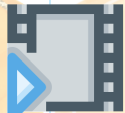
[#12] $\sin(60^\circ) =$

[#13] $\cos(270^\circ) =$

[#14] $\sin(30^\circ) =$

[#15] $\cos(30^\circ) =$

[#16] $\cos(90^\circ) =$





[#1] $\tan(270^\circ) =$ เป็นไปไม่ได้

[#2] $\sin(45^\circ) = \frac{\sqrt{2}}{2}$

[#3] $\tan(0^\circ) = 0$

[#4] $\cos(30^\circ) = \sqrt{\frac{3}{2}}$

[#5] $\tan(30^\circ) = \frac{1}{\sqrt{3}}$

[#6] $\sin(45^\circ) = \frac{\sqrt{2}}{2}$

[#7] $\cos(0^\circ) = 1$

[#8] $\cos(270^\circ) = 0$

[#9] $\cos(90^\circ) = 0$

[#10] $\sin(0^\circ) = 0$

[#11] $\tan(45^\circ) = 1$

[#12] $\sin(60^\circ) = \sqrt{\frac{3}{2}}$

[#13] $\cos(270^\circ) = 0$

[#14] $\sin(30^\circ) = \frac{1}{2}$

[#15] $\cos(30^\circ) = \sqrt{\frac{3}{2}}$

[#16] $\cos(90^\circ) = 0$



Calculate the value

11

[#1] $\cos(180^\circ) =$

[#2] $\tan(90^\circ) =$

[#3] $\sin(180^\circ) =$

[#4] $\sin(45^\circ) =$

[#5] $\sin(0^\circ) =$

[#6] $\tan(270^\circ) =$

[#7] $\sin(270^\circ) =$

[#8] $\tan(45^\circ) =$

[#9] $\sin(60^\circ) =$

[#10] $\tan(180^\circ) =$

[#11] $\sin(90^\circ) =$

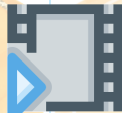
[#12] $\cos(270^\circ) =$

[#13] $\sin(30^\circ) =$

[#14] $\cos(0^\circ) =$

[#15] $\tan(60^\circ) =$

[#16] $\cos(90^\circ) =$





[#1] $\cos(180^\circ) = -1$

[#2] $\tan(90^\circ) =$ เป็นไปไม่ได้

[#3] $\sin(180^\circ) = 0$

[#4] $\sin(45^\circ) = \frac{\sqrt{2}}{2}$

[#5] $\sin(0^\circ) = 0$

[#6] $\tan(270^\circ) =$ เป็นไปไม่ได้

[#7] $\sin(270^\circ) = -1$

[#8] $\tan(45^\circ) = 1$

[#9] $\sin(60^\circ) = \sqrt{\frac{3}{2}}$

[#10] $\tan(180^\circ) = 0$

[#11] $\sin(90^\circ) = 1$

[#12] $\cos(270^\circ) = \frac{1}{2}$

[#13] $\sin(30^\circ) = \frac{1}{2}$

[#14] $\cos(0^\circ) = 1$

[#15] $\tan(60^\circ) = \sqrt{3}$

[#16] $\cos(90^\circ) = 0$



Calculate the value

11

[#1] $\tan(0^\circ) =$

[#2] $\cos(45^\circ) =$

[#3] $\cos(30^\circ) =$

[#4] $\cos(60^\circ) =$

[#5] $\tan(30^\circ) =$

[#6] $\tan(90^\circ) =$

[#7] $\sin(60^\circ) =$

[#8] $\tan(180^\circ) =$

[#9] $\sin(180^\circ) =$

[#10] $\sin(30^\circ) =$

[#11] $\tan(45^\circ) =$

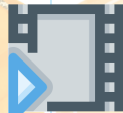
[#12] $\sin(45^\circ) =$

[#13] $\sin(0^\circ) =$

[#14] $\sin(90^\circ) =$

[#15] $\tan(270^\circ) =$

[#16] $\cos(180^\circ) =$





[#1] $\tan(0^\circ) = 0$

[#2] $\cos(45^\circ) = \frac{\sqrt{2}}{2}$

[#3] $\cos(30^\circ) = \sqrt{\frac{3}{2}}$

[#4] $\cos(60^\circ) = \frac{1}{2}$

[#5] $\tan(30^\circ) = \frac{1}{\sqrt{3}}$

[#6] $\tan(90^\circ) = \text{เป็นไปได้}$

[#7] $\sin(60^\circ) = \sqrt{\frac{3}{2}}$

[#8] $\tan(180^\circ) = 0$

[#9] $\sin(180^\circ) = 0$

[#10] $\sin(30^\circ) = \frac{1}{2}$

[#11] $\tan(45^\circ) = 1$

[#12] $\sin(45^\circ) = \frac{\sqrt{2}}{2}$

[#13] $\sin(0^\circ) = 0$

[#14] $\sin(90^\circ) = 1$

[#15] $\tan(270^\circ) = \text{เป็นไปได้}$

[#16] $\cos(180^\circ) = -1$

