

Solutions

2.1 Opposite 1 divided by hypotenuse 2.

2.2 Equal opposite and adjacent sides give ratio 1.

2.3 $10 \times \sin 30^\circ = 5$.

3.1 False. $\sin 90^\circ = 1$ and $\cos 90^\circ = 0$, but $\tan 90^\circ = \sin 90^\circ / \cos 90^\circ$ is undefined.

Local review guidance: show the chosen method; give the checked result; explain the condition or failed shortcut. This is authored classroom guidance.