

Solutions

2.1 Three factors of 2 give 8.

2.2 The unit-circle ordinate at 270° is -1.

2.3 The right triangle has equal opposite and adjacent lengths.

3.1 False. Sine has smallest positive period 360° , while tangent repeats after 180° wherever it is defined: $\tan(\theta+180^\circ)=\tan \theta$.

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