

6 Shorter sides and trig – Part 2 — Answers

Answers

Work through these after trying the questions yourself.

6.6 $b^2 = 10^2 - 6^2 = 100 - 36 = 64$, so $b = 8$ cm.

6.7 Subtract.

6.8 Sine.

6.9 $\tan \theta = \frac{\text{opposite}}{\text{adjacent}}.$

6.10 The longest side, opposite the right angle.

6.11 $b^2 = 26^2 - 10^2 = 676 - 100 = 576$, so $b = \sqrt{576} = 24$ cm.