Fill In The Blanks…

**Finding Lengths Using the Cosine Rule**

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| --- | --- | --- | --- |
| **Labelled diagram** | **Substitute** **into formula** | $$x^{2}$$ | $x$ **to 1dp** |
|  | $$x^{2}=7^{2}+5^{2}$$$$-2×7×5×\cos(76)$$ | $$x^{2}=57.065..$$ |  |
|  | $$x^{2}=11^{2}+8^{2}$$$$-2×11×8×\cos(96)$$ |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  | $$x^{2}=32^{2}+14^{2}$$$$-2×32×14×\cos(53)$$ |  |  |