Fill In The Blanks…

**Finding Angles Using Trigonometry**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Labelled diagram** | **Choose ratio** | **Substitute** **into formula** | **Rearrange formula** | **Answer(1dp)** |
|  | $$cos$$ | $$\cos(x)=\frac{7}{12}$$ | $$x=cos^{-1}\left(\frac{7}{12}\right)$$ |  |
|  | $$sin$$ |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  | $$\cos(x)=\frac{2}{3}$$ |  |  |
|  |  |  | $$x=tan^{-1}\left(\frac{15}{11}\right)$$ |  |