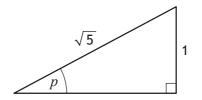
6. The right-angled triangle in the diagram is such that $\sin p = \frac{1}{\sqrt{5}}$ and 0 .



- (a) Determine the value of:
- (a) Determine the value of.
 - (i) sin 2 p
 - (ii) $\cos 2p$.
- (b) Hence determine the value of $\sin 4p$.

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