## Sum of Pitches

## Shed Roof from Level



$$
\text { Sum of Pitches }=\frac{(\text { Pitch } 1+\text { Pitch } 2)}{1-(\text { Pitch } 1 \times \text { Pitch } 2)}
$$

The sum of the Shed roof pitch, and its pitch measured from level equal the Main Roof pitch.

Main Roof Pitch $=\frac{\left(\frac{4}{12}+\frac{4}{12}\right)}{1-\left(\frac{4}{12} \times \frac{4}{12}\right)}=\frac{3}{4}=\frac{9}{12}$

Main Roof Pitch Angle $=\arctan \left(\frac{9}{12}\right)=36.86990^{\circ}$

