## 7.1) Static particles



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Worked example	Your turn
The diagram shows a particle in equilibrium on an inclined plane under the forces shown. Find the magnitude of the force $P$ and the size of the angle $\alpha$ .	The diagram shows a particle in equilibrium on an inclined plane under the forces shown. Find the magnitude of the force $Q$ and the size of the angle $\beta$ .
	$Q = 11.9, \beta = 47.7^{\circ} (3 \text{ sf})$

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