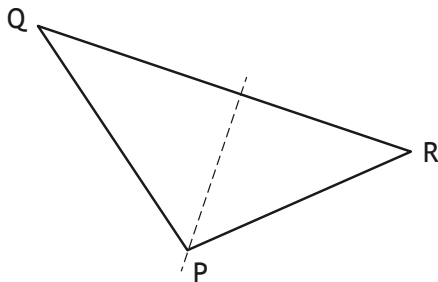


Total marks — 65  
Attempt ALL questions

1. Triangle PQR has vertices  $P(5, -1)$ ,  $Q(-2, 8)$  and  $R(13, 3)$ .



- (a) Find the equation of the altitude from P. 3
- (b) Calculate the angle that the side PR makes with the positive direction of the  $x$ -axis. 2