

3		<p>e.g. <math>(2 - (-1))^2 + (10 - 6)^2</math></p> <p><math>PQ^2 = 25, QR^2 = 162, RP^2 = 169</math></p> $\angle PRQ = \cos^{-1} \frac{169 + 162 - 25}{2 \times 13 \times \sqrt{162}}$ <p>= 22.4 to 3 sf</p>	<p><b>M1</b></p> <p><b>A1</b></p> <p><b>M1</b></p> <p><b>A1</b></p> <p><b>[4]</b></p>	<p><b>3.1a</b></p> <p><b>1.1</b></p> <p><b>1.1</b></p> <p><b>1.1</b></p>	<p>Find at least one of <math>PQ^2, QR^2</math> or <math>RP^2</math></p> <p>Use cosine rule to find an angle of triangle <math>PQR</math></p> <p>Accept 3 sf or better (22.38013503...)</p> <p>or <math>PQ, QP</math> or <math>QR</math> seen</p>
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