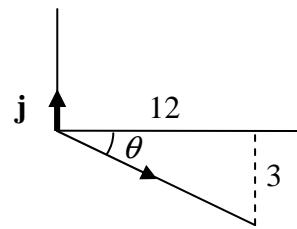


Question Number	Scheme	Marks
3 (a)	$7 + 5 + p = 0 \quad \text{or} \quad -9 + 6 + q = 0$ $p = -12$ $q = 3$	M1 A1 A1
(b)	$\mathbf{R} = 12\mathbf{i} - 3\mathbf{j}$ $ \mathbf{R}  = \sqrt{(12^2 + (-3)^2)} = \sqrt{153} \text{ or } 3\sqrt{17} \text{ or } 12.4 \text{ or better (N)}$	M1 A1
(c)	$\tan \theta = \frac{3}{12}$ $\theta = 14.03^\circ \dots$ <p>Angle with <math>\mathbf{j}</math> is <math>104^\circ</math>, to the nearest degree cao</p>	M1 A1 A1

(3)  
8