

		<p>Equn of L is $y - 2\sin\frac{\pi}{6} = -\frac{\sqrt{3}}{2}(x - 4\cos\frac{\pi}{6})$ oe</p> <p>or $y - 1 = -\frac{\sqrt{3}}{2}(x - 2\sqrt{3})$ oe</p> <p>$0 - 1 = -\frac{\sqrt{3}}{2}x + 3$ oe</p> <p>Cuts at $(\frac{8\sqrt{3}}{3}, 0)$ oe or $(4.62, 0)$ (3 sf)</p>	M1	1.1	<p>or $y = -\frac{\sqrt{3}}{2}x + c$ & subst $(4\cos\frac{\pi}{6}, 2\sin\frac{\pi}{6})$</p> <p>or $y = -\frac{\sqrt{3}}{2}x + 4$ oe</p> <p>or $0 = -\frac{\sqrt{3}}{2}x + 4$ oe</p>	<p>ft their grad (not -ve reciprocal) Must not involve t</p> <p>This mark may be implied by next mark</p> <p>Subst $y = 0$ in their line eqn, not involving t</p> <p>Allow equivalents, eg $\frac{8}{\sqrt{3}}$</p>
			A1	2.2a	Allow just $\frac{8\sqrt{3}}{3}$ or 4.62 (3 sf)	
			[6]			