1	(a)	The diameter d of a cylinder is measured as 0.0125 m \pm 1.6%.
		Calculate the absolute uncertainty in this measurement.
		absolute uncertainty = m [1]
	(b)	The cylinder in (a) stands on a horizontal surface. The pressure p exerted on the surface by the cylinder is given by
		$\rho = \frac{4W}{\pi d^2}.$
		The measured weight W of the cylinder is 0.38 N \pm 2.8%.
		(i) Calculate the pressure <i>p</i> .
		<i>p</i> = N m ⁻² [1]
		(ii) Determine the absolute uncertainty in the value of p .
		absolute uncertainty = N m ⁻² [2]
		[Total: 4]