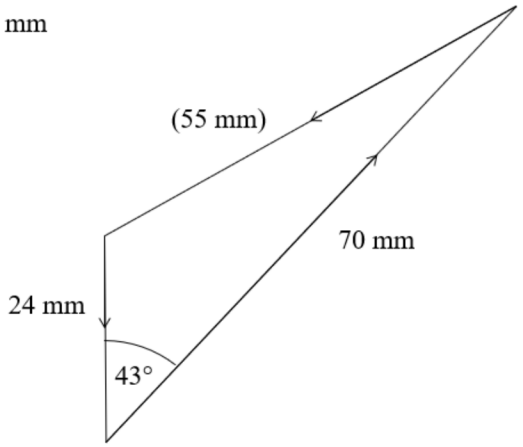
Question Number	Answer	Mark
16(a)	Two arrowed lines for 70 N and 24 N with correct orientation **(1)** [use template for angle] Lines labelled with name/force/scaled length **(1)** Tension drawn in correctly i.e. correct vector diagram with correct direction **(1)** Answer in range 55 ± 2 N **(1)** [Correct answer from trigonometry scores MP4 only] <u>Example of calculation</u> SCALE 1 N : 1 mm  	**4**
16(b)	Measure angle of string to vertical **(1)** Using a protractor **(1)** Calculate weight of mass holder and masses using $W = mg$ **(1)** Vertical component of T is equal to W **(1)** Vertical component is $T \cos \theta$, so T can be calculated **(1)**	**5**
	Total for question 16	**9**