25	e.g. (220 – 180) + (360 – 280) (= 120)		5	M1 for a method to find angle *XYZ*. Could be seen on a diagram
	$XZ = \sqrt{3.5^2 + 6^2 - 2\times 3.5\times 6\times \cos("120")}$ (=8.3... or $\frac{\sqrt{277}}{2}$)			M1
	$\frac{\sin YXZ}{6} = \frac{\sin("120")}{"8.32..."}$			M1 **or** $6^2 = 3.5^2 + "8.32"^2 - 2\times 3.5\times "8.32"\times \cos YXZ$
	$YXZ = \sin^{-1}\left(\frac{6\sin("120")}{"8.32..."}\right)$ (=38.6...)			M1 **or** $YXZ = \cos^{-1}\left(\frac{3.5^2 + "8.32"^2 - 6^2}{2\times 3.5\times "8.32"}\right)$ (= 38.6...)
		241.4		A1 accept 241.2 – 241.4
				Total 5 marks

Pearson Education Limited. Registered company number 872828
with its registered office at 80 Strand, London, WC2R 0RL, United Kingdom