10	$\tan 40 = \frac{8}{(AD)}$ or $\frac{(AD)}{\sin(90-40)} = \frac{8}{\sin 40}$ oe or $(AC =) \frac{8}{\sin 40} (= 12.4(457\ldots)$ (D = foot of the perpendicular line)		5	M1
	$(AD =) \frac{8}{\tan 40}$ (= 9.5(3…)) or $(AD =) \frac{8}{\sin 40} \times \sin(90-40)$ (= 9.5(3…)) oe or $(AD =) \sqrt{"12.4"^2 - 8^2} = \sqrt{90.8(977...)}$ (= 9.5(3…)) oe or $(BC^2 =) "12.4"^2 + 22^2 - 2 \times "12.4" \times 22 \times \cos 40$ (= 219.4…) oe			M1
	(DB =) 22 – "9.5(3…)" (= 12.4(659…= 12.5) or $(BC =) \sqrt{"12.4"^2 + 22^2 - 2 \times "12.4" \times 22 \times \cos 40}$ (= $\sqrt{219.4...}$ = 14.8) oe or $(BC =) \sqrt{8^2 + (22 - 9.5(3...))^2}$ (= 14.8) oe			M1
	$\tan x = \frac{8}{"12.5"}$ or $\cos x = \frac{"12.5"}{"14.8"}$ or $\sin x = \frac{8}{"14.8"} (\times \sin 90)$ oe or $\sin x = \frac{\sin 40}{"14.8"} \times "12.4"$ oe or $\cos x = \frac{22^2 + "14.8"^2 - "12.4"^2}{2 \times 22 \times "14.8"}$ oe			M1
	Working required	32.7		A1 Allow 32.3 – 32.8 dep on a correct method shown
				Total 5 marks