21		e.g. $(AC =) \sqrt{(4x)^2 + (2x)^2}$ $(= \sqrt{20}x)$ **or** $(AC =) \sqrt{(4)^2 + (2)^2}$ $(= \sqrt{20})$ **or** $(AF =) \sqrt{(4)^2 + (2)^2 + (3)^2}$ $(= \sqrt{29})$ **or** $(AF =) \sqrt{(\sqrt{20})^2 + (3)^2}$ $(= \sqrt{29})$ **or**			M1 for a method to find an expression for length *AC* or length *AF* with or without *x* **or** *x* can represent any number e.g. *AB* : *BC* : *CF* = 2 : 1 : 1.5 $AC^2 = \sqrt{2^2 + 1^2}\ (= \sqrt{5})$
		e.g. $(CAF =) \tan^{-1}\left(\frac{3x}{'\sqrt{20}x'}\right)$ (= 33.854...) or $(CAF =) \tan^{-1}\left(\frac{3}{'\sqrt{20}'}\right)$ (= 33.854...) or $(CAF =) \cos^{-1}\left(\frac{'\sqrt{20}'}{'\sqrt{29}'}\right)$ (= 33.854...) or $(CAF =) \sin^{-1}\left(\frac{3}{'\sqrt{29}'}\right)$ (= 33.854...)			M1 for a complete method to find angle *CAF* using length *AC* **or** for a complete method to find angle *CAF* using length *AF* with or without *x* or *x* can represent any number *AB* : *BC* : *CF* = 2 : 1 : 1.5 $(CAF =) \tan^{-1}\left(\frac{1.5}{'\sqrt{5}'}\right)$ (= 33.854...)
			33.9°	3	A1 answers in the range 33.85 – 33.9
					Total 3 marks