19		$(v =)\ 3t^2 + 10t - 8$		5	M1	For at least 2 terms differentiated correctly
		$3t^2 + 10t - 8 = 0$			M1	Their $v = 0$ dep on M1 could be implied by correct values
		$(3t - 2)(t + 4)\ (= 0)$ $(t =)\ \frac{2}{3}$ or $(t =) -4$			M1	dep on M1 for correct values for t or for $t = \frac{2}{3}$ or correct method to solve their 3 term quadratic equation: If factorising, allow brackets which when expanded give 2 out of 3 terms correct (If using formula or completing the square allow one sign error and some simplification – allow as far as eg $\frac{-10 \pm \sqrt{100+96}}{6}$ oe $3(t+\frac{5}{3})^2 - \frac{48}{3} = 0$)
		$(s =)\left(\frac{2}{3}\right)^3 + 5\times\left(\frac{2}{3}\right)^2 - 8\times\frac{2}{3} + 10$			M1	For $\frac{2}{3}$ (only) substituted into formula for s or for selecting the value from this substitution or for an answer of 7.185…
			$\frac{194}{27}$		A1	oe but numerator and denominator must be integers.
						Total 5 marks