10	(a)		Very likely weight will increase with time oe or He is only looking for positive correlation	**B1** **[1]**	Or eg "Expect weight to increase with time" oe "Foetuses grow" oe Ignore all else
10	(b)		$H_0: \rho = 0$ Allow other letters $H_1: \rho > 0$ where ρ is the correlation coefficient for the population or where ρ is the correlation coefficient between time and weight Comp 0.722 with 0.6851 Reject H_0. Condone Accept H_1 There is evidence of (positive linear) correlation between time from conception to birth and weight of new-born babies Or eg It appears that birth weight increases with time (from conception to birth)	**B1** **B1** **M1** **M1** **A1** **[5]**	**B1B0** for 1 error, eg undefined ρ or 2-tail For hypotheses in words, not using parameter: H_0: There is no correlation between time and weight H_1: There is positive correlation between time and weight **B1B0** But omission of "positive": **B0B0** May be implied by conclusion Allow without "positive" and without "linear" In context, not definite