Question	Working	Answer	Mark	Notes
17 (a)		$3x^2-4x-15$	2	B2 Award B1 for any 2 or 3 of the 4 terms differentiated correctly.
(b)	$3x^2 - 4x - 15 < 0$ (or = 0)		4	M1 ft from (a) ie "their (a)" = 0 (or < 0)
	$(3x + 5)(x - 3)(< 0)$ **or** $\frac{-(-4)\pm\sqrt{(-4)^2-4\times3\times(-15)}}{2\times3}$			M1 ft from "their (a)" (=0) for 3 term quadratic, for correct factorisation **or** correct use of quadratic formula to find the two critical values, allow 1 sign error. [−(−4) could be 4 and $(-4)^2$ could be 4^2](condone missing brackets)
	$-\frac{5}{3}, 3$			M1 Both critical values correct Accept -1.66… rounded or truncated to 3SF.
		$-\frac{5}{3} < x < 3$		A1oe Inequality signs needed Allow $x > -\frac{5}{3}$, $x < 3$
				Total 6 marks