Question	Answer	Marks	AOs	Guidance
11	**DR**			
	$[y = k](x+1)^2(x-2)$	**M1***	**3.1a**	
	Substitute (0, -3) or (1, -6)	**M1***	**3.1a**	
	$[y =]\frac{3}{2}(x+1)^2(x-2)$	**A1dep**	**1.1**	
	$[y =]\frac{3}{2}x^3 - \frac{9}{2}x - 3$	**M1***	**1.1**	
	gradient of tangent is $\frac{dy}{dx} = \frac{3}{2}(3x^2 - 3)$	**A1dep**	**2.1**	FT their f(x) even if the gradient property does not hold for it
	$t^2 = (-t)^2$ therefore the gradients are equal and the tangents are parallel	**E1**	**2.2a**	Not just "the gradient is the same for $-t$". Allow FT from their f(x) if the gradient property holds
		[6]		