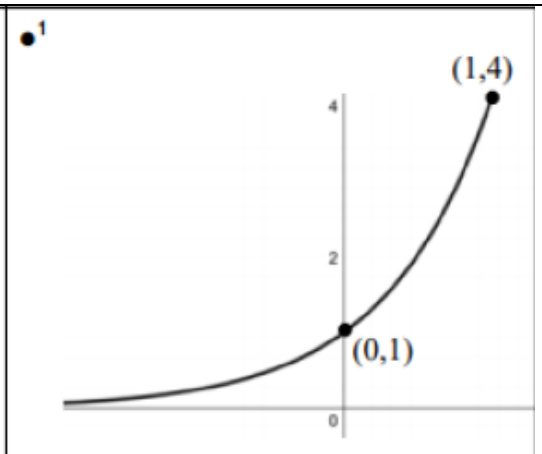
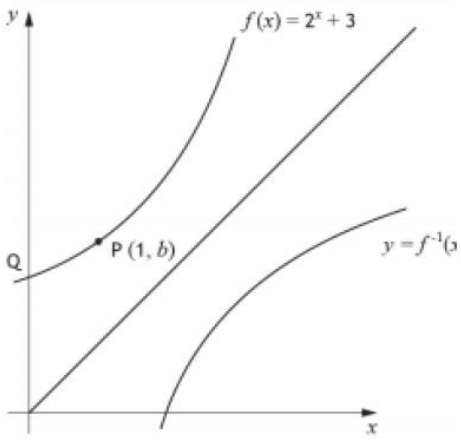
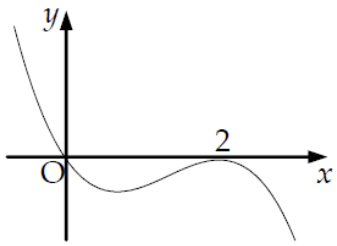
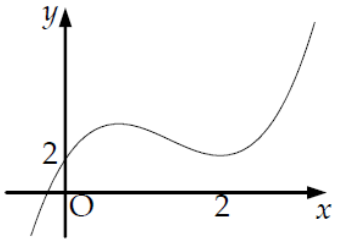
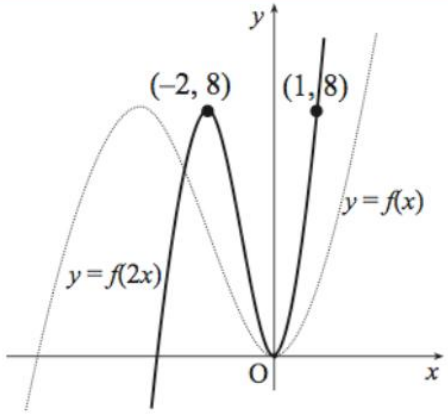
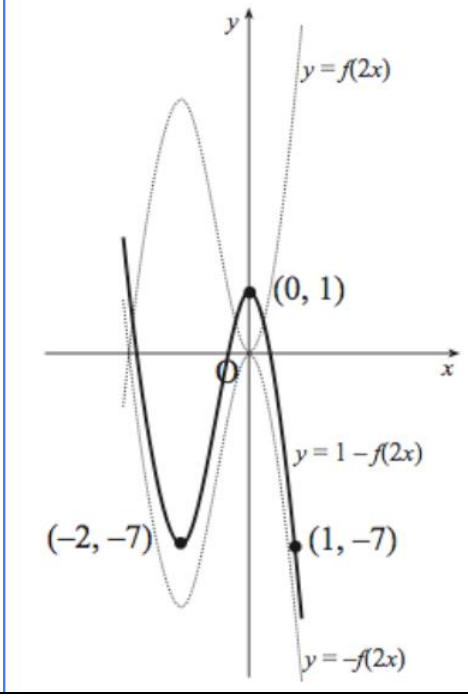
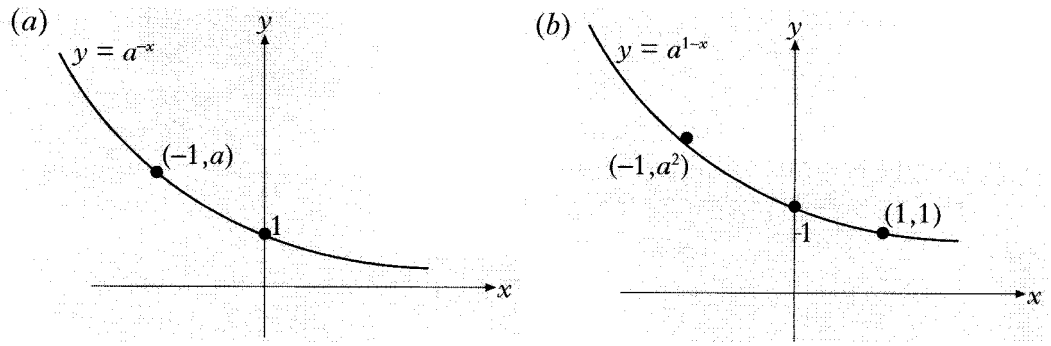
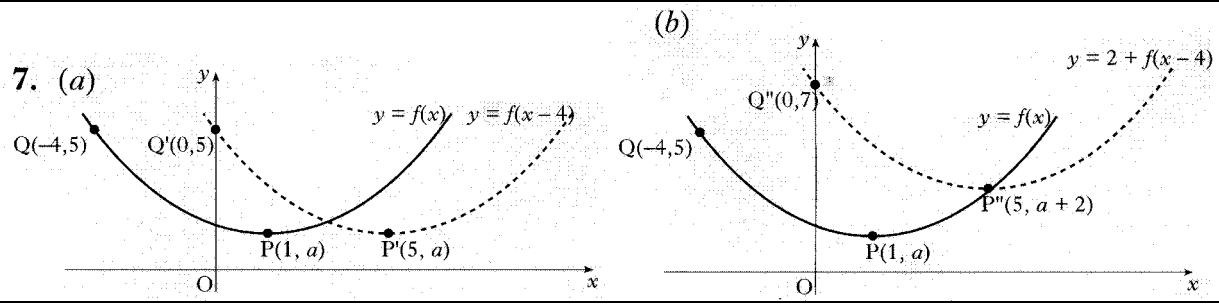
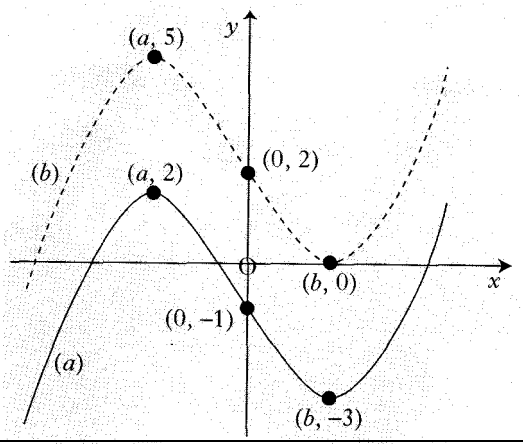
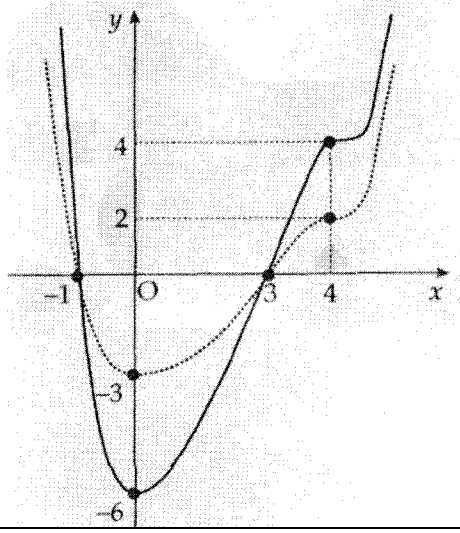
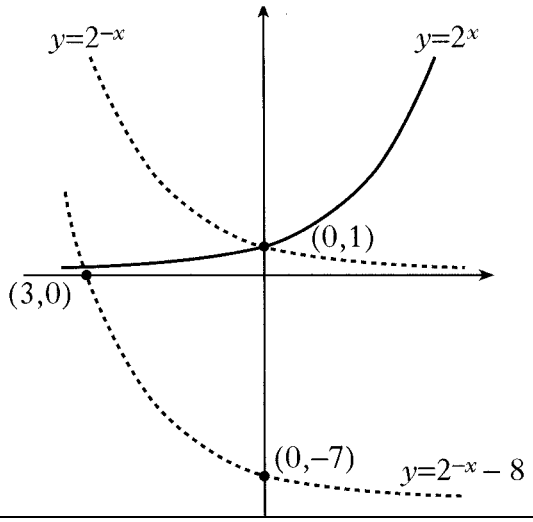
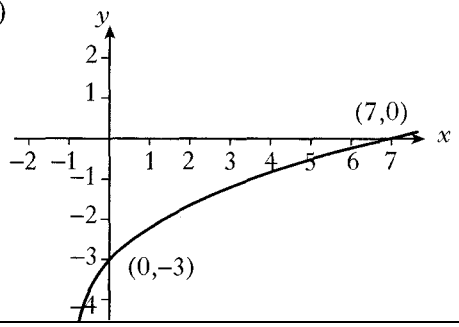
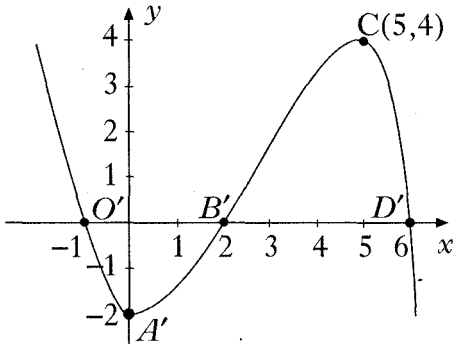
2019 P1 Q10	$(a)\ a = 3$ $(b)\ k = -2$	
2018 P1 Q11a only	(a) •¹ a generally decreasing curve above the x-axis for $1 < x < 3$ •² asymptote at $x = 0$ and passing through $(3,0)$ and continuing to decrease for $x \geq 3$	
2017 P1 Q15a only	(a) $a = -5, b = 3$	
2016 P1 Q10	•¹ graph reflected in $y = x$ •² correct annotation •¹  •² $(0,1)$ and $(1,4)$	
2015 P1 Q4	$p = 3, \quad q = 4, \quad r = 1$	

2015 P1 Q13	(a) $b = 5$ (b) (i)  (ii) $P(5,1)$ $Q(4,0)$ (c) $R(2.-7)$	
2012 P2 Q4	Graph for (a)  Graph for (b)  	

2009 P1 Q23	**Solution to (a)**  **Solution to (b)** 	
2007 P2 Q9		
2006 P2 Q7		

2004 P1 Q4	(*a*) Reflect in *x*–axis. (*b*) Translate +3 parallel to *y*–axis 	2 2
2003 P2 Q5		
2002W P1 Q8	. (*a*) & (*b*) Reflect graph in *y*-axis followed by a translation $\begin{pmatrix} 0 \\ -8 \end{pmatrix}$. 	

2002 P1 Q7	(*a*) $x = 7$ (*b*) $3x + 2y = 23$ (*c*) (7, 1)	
2001 P1 Q10	(*a*) $a = 1,\ b = 3$ (*b*) 	
2000 P1 Q2	(*a*) A = (1,4) (*b*) $f(x)$ needs to be translated 4 units up, 2 units left Sketch with A′ at (–1,8) and B′ at (1,4) (*c*) $4 < k < 8$	
Specimen 2 P2 Q5	(i)  (ii)