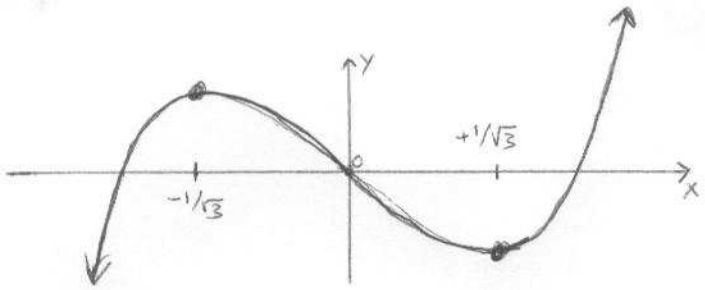
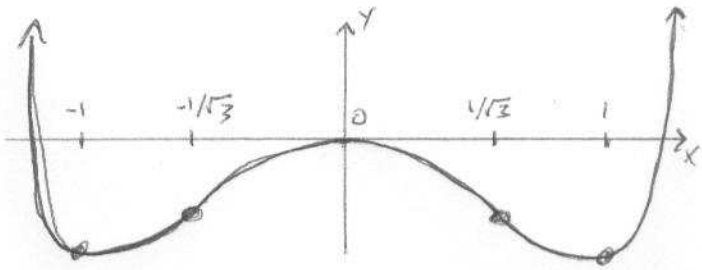
(a) $y = x^3 - x$ — odd



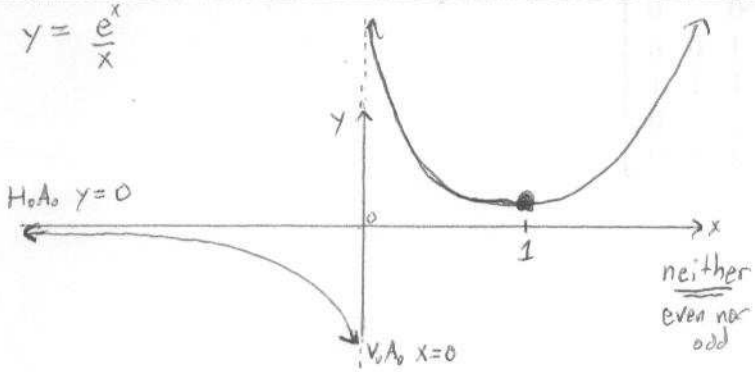
		$-1/\sqrt{3}$		0		$1/\sqrt{3}$	
y	∩		∪		∩		∪
y′	+		−		−		+
y″	−		−		+		+

(b) $y = x^4 - 4x$ — even



		-1		$-1/\sqrt{3}$		0		$1/\sqrt{3}$		1	
y	∪		∩		∪		∩		∪		∩
y′	−		+		+		−		−		+
y″	+		+		−		−		+		+

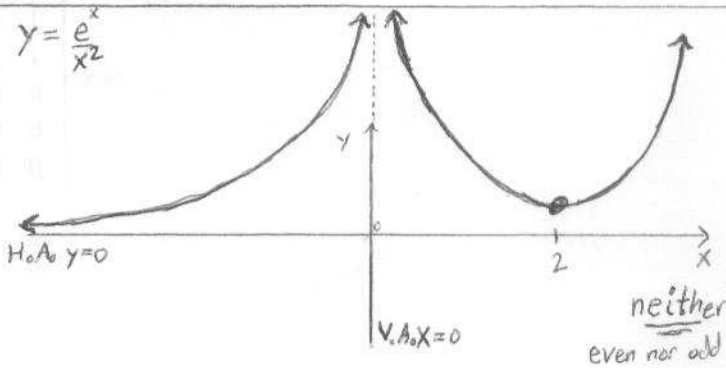
(c) $y = \frac{e^x}{x}$



neither even nor odd

		0		1	
y	∩		∪		∪
y′	−		−		+
y″	−		+		+

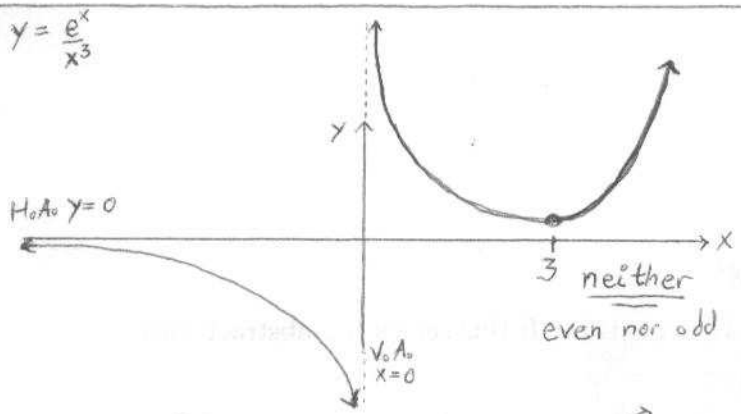
(d) $y = \frac{e^x}{x^2}$



neither even nor odd

		0		2	
y	∪		∩		∪
y′	+		−		+
y″	+		−		+

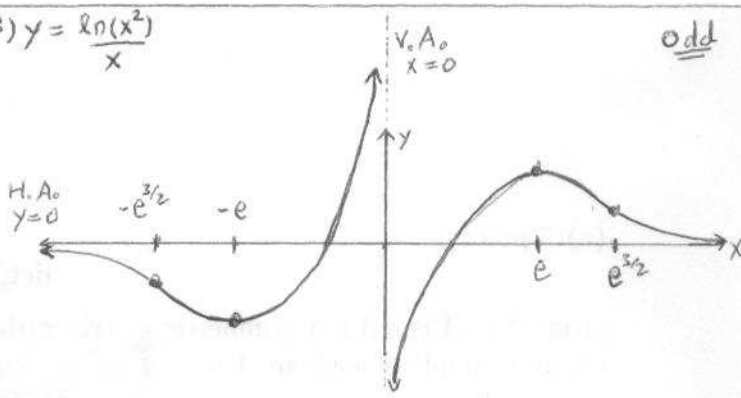
(e) $y = \frac{e^x}{x^3}$



neither even nor odd

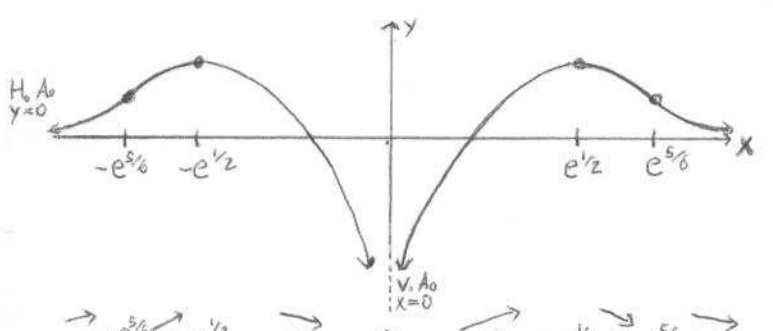
		0		3	
y	∩		∪		∪
y′	−		−		+
y″	−		+		+

(f) $y = \frac{\ln(x^2)}{x}$ — odd



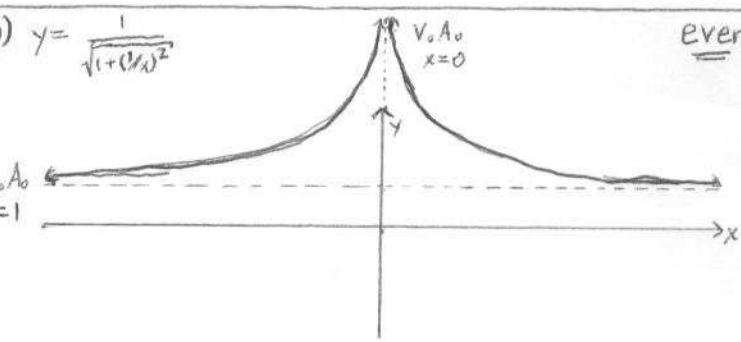
		$-e^{3/2}$		-e		0		e		$e^{3/2}$	
y	∩		∪		∩		∩		∪		∩
y′	−		−		+		+		−		−
y″	−		+		+		−		−		+

(g) $y = \frac{\ln(x^2)}{x^2}$ — even



		$-e^{5/6}$		$-e^{1/2}$		0		$e^{1/2}$		$e^{5/6}$	
y	∪		∩		∪		∩		∪		∩
y′	+		+		−		+		−		−
y″	+		−		−		−		−		+

(h) $y = \frac{1}{\sqrt{1+(1/x)^2}}$ — even



		0	
y	∪		∪
y′	+		−
y″	+		+