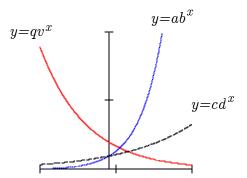
1.) (2 pts each) **True / False--**Circle your choice. Circle **T** only if the statement is always true. [No explanation necessary.]

(a)	$\ln(AB) = (\ln A)(\ln B)$	Т	F
(b)	$\ln e^{(2t-1)} = 2t-1$	Т	F
(c)	$\sin(3a) = 3\sin(a)$	Т	F
(d)	As $x \ fi \ \neq$, x^{100} dominates 1.001^x	Т	F
(e)	$\log(10A) = \log A + 1$ (A >0)	Т	F
(f)	A 5 th degree polynomial must have at least one real zero.	Т	F

2.) (5 pts--No explanation necessary.) The graphs of three functions are given in the figure below.



[Note: On the original exam, these functions were labeled.

Complete each of the statements below by using the symbols >, <, or =.

 $a _ q$ $a _ c$ $b _ d$ $d _ v$

Which, if any, of the parameters a,b,c,d,q,v are greater than zero?