Name:



- 18. Which of these constants *a*, *b*, *c*, *d*, *p*, *q* are definitely positive?
- 19. Which of these constants *a*, *b*, *c*, *d*, *p*, *q* are definitely between 0 & 1?
- 20. Which two of these constants *a*, *b*, *c*, *d*, *p*, *q* are definitely equal?
- 21. Which of these constants -d & q has the greater growth factor?

Problems 22 – 24: For each exponential function:

- a. What is the vertical intercept of the graph?
- b. Is the graph of *Q* increasing or decreasing?
- c. What is the equation of the horizontal asymptote of the graph?
- d. Find $\lim_{t \to -\infty} Q(t)$
- e. Find $\lim_{t\to\infty} Q(t)$
- f. Describe the function's range.

	22. $Q(t) = 0.25(2)^t$	23. $Q(t) = 2(0.75)^t + 1$	24. $Q(t) = 2(1.4)^t - 1$
a.			
b.			
c.			
d.			
e.			
f.			

