Hw3 LiChen Liang

1. a) 
$$x = \frac{x'-c}{a}$$
  $w^{\dagger}(\frac{x'-c}{a}) + b = \frac{w^{\dagger}x'}{a} - \frac{w^{\dagger}c}{a} + b$ 

$$w' = \frac{w^{T}x'}{a} \quad b' = b - \frac{w^{T}c}{a}$$

b) 
$$w' = \frac{w^{T}x'}{A}$$
  $b' = b - \frac{w^{T}c}{A}$ 

20) When assuming each base classifier is independent with accuracy > 50%,