

Chapter 18

18.6 Scales

b)

$$U(X) = aX + b$$

0 to .4

.8 to 1

.5 to .8

$U(0) = 0$
 $U(20) = .04$
 $U(50) = .32$
 $U(100) = .4$

$U(0) = .8$
 $U(20) = .82$
 $U(50) = .96$
 $U(100) = 1$

$U(0) = .5$
 $U(20) = .53$
 $U(50) = .74$
 $U(100) = .8$

where $(a,b) =$
 $(.4,0)$

$(.2,.8)$

$(.3,.5)$