

p52 #7

(1.6)

Let x be the \$ income.
Let T be the \$ tax.

$$T(x) = \begin{cases} .35x & , 0 \leq x \leq 100,000 \\ .35(100,000) + .45(x - 100,000) & , 100,000 < x \leq 500,000 \\ .35(100,000) + .45(400,000) + .55(x - 500,000) & , x > 500,000 \end{cases}$$

now simplify each expression