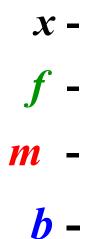
Algebra II

3-5

Function Word Problems





- 1) A photocopying machine purchased new for \$4500 loses \$900 in value each year.
 - **a.** Find the book value of the machine after 18 months.
 - **b.** When will the book value be \$1200?

input (x):

output (y or f):

rate of change (m):

start value (b):

f(x) = mx + b

5) Allied Airlines charges \$90 for a ticket to fly between two cities 260 mi apart and \$150 for a ticket to fly between two cities 500 mi apart. At this rate, what would it cost for a trip between two cities 1000 mi apart?

input (x):

output (y or f):

rate of change (m):

start value (b):

Assignment: Pg. 150 1-10 all