3. A consumer is in equilibrium at point A in the accompanying figure. The price of good *X* is $5.
   a. What is the price of good *Y*?
   b. What is the consumer's income?
   c. At point A, how many units of good *X* does the consumer purchase?
   d. Suppose the budget line changes so that the consumer achieves a new equilibrium at point B. What change in the economic environment led to this new equilibrium? Is the consumer better off or worse off as a result of the price change?