

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) When the price of radios increases 5%, quantity demanded decreases 5%. The price elasticity of demand for radios is \_\_\_\_\_  
 A) elastic. B) unitary elastic.  
 C) perfectly inelastic. D) inelastic.
- 2) The ABC Computer Company wants to increase the quantity of computers it sells by 5%. If the price elasticity of demand is -2.5, the company must \_\_\_\_\_ price by \_\_\_\_\_.  
 A) decrease; 2.0% B) increase; 2.0% C) increase; 0.5% D) decrease; 0.5%
- 3) The government wants to reduce the consumption of electricity by 5%. The price elasticity of demand for electricity is 4. The government should \_\_\_\_\_ the price of electricity by \_\_\_\_\_.  
 A) raise; 2.0% B) raise; 1.25% C) raise; 0.08% D) lower; 0.4%
- 4) The government wants to reduce the consumption of electricity by 10%. The price elasticity of demand for electricity is -.4. The government should \_\_\_\_\_ the price of electricity by \_\_\_\_\_.  
 A) lower; 0.4% B) raise; 2.0% C) raise; 25.0% D) raise; 0.04%
- 5) When the price of fresh fish increases 5%, quantity demanded decreases 10%. The price elasticity of demand for fresh fish is \_\_\_\_\_  
 A) perfectly inelastic. B) unitary elastic.  
 C) inelastic. D) elastic.
- 6) When the price of coffee increases 5%, quantity demanded decreases 3%. The elasticity for coffee is \_\_\_\_\_  
 A) price elastic. B) perfectly price inelastic.  
 C) price unitary. D) price inelastic.

Refer to the information provided in Figure 5.2 below to answer the questions that follow.

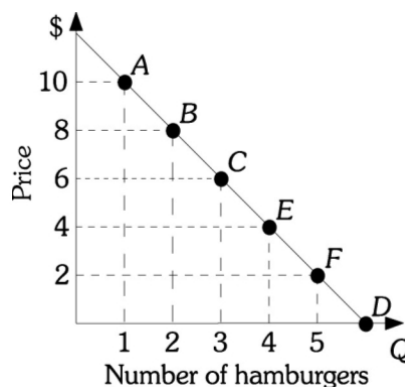


Figure 5.2

- 7) Refer to Figure 5.2. Using the midpoint formula, if the price of a hamburger is increased from \$8 to \$10, the price elasticity of demand equals \_\_\_\_\_  
 A) 333. B) -2.5. C) -3.0. D) 0.36.

- 8) Refer to Figure 5.2. Using the midpoint formula, if the price of a hamburger is increased from \$6 to \$8, the price elasticity of demand equals \_\_\_\_\_  
 A) 0.24. B) -2.0. C) 71.0. D) -1.4.
- 9) Refer to Figure 5.2. Using the midpoint formula, if the price of a hamburger is increased from \$2 to \$4, the price elasticity of demand equals \_\_\_\_\_  
 A) -0.33. B) -3.0. C) -2.0. D) -5.0.
- 10) The owner of a local hot dog stand has estimated that if he lowers the price of hot dogs from \$2.00 to \$1.50, he will increase sales from 400 to 500 hot dogs per day. Using the midpoint formula, the demand for hot dogs is \_\_\_\_\_  
 A) elastic. B) inelastic.  
 C) perfectly elastic. D) unitarily elastic.
- 11) At a price of \$11, quantity demanded is 90; and at a price of \$9, quantity demanded is 110. Using the midpoint formula, the price elasticity of demand is \_\_\_\_\_  
 A) -1.0. B) -1.22. C) 0.0. D) 82.
- 12) At a price of \$20, a store can sell 24 picture frames a day. At a price of \$18 the store can sell 33 picture frames a day. Using the midpoint formula, the price elasticity of demand is \_\_\_\_\_  
 A) 9.09. B) 0.33. C) -3.0. D) 3.75.
- 13) Price and total revenue are inversely related when demand is \_\_\_\_\_  
 A) unitarily elastic. B) inelastic.  
 C) elastic. D) perfectly inelastic.
- 14) If price \_\_\_\_\_ and demand is \_\_\_\_\_, total revenue will increase. \_\_\_\_\_  
 A) rises; elastic B) falls; elastic  
 C) falls; inelastic. D) rises; unitarily elastic

Refer to the information provided in Figure 5.4 below to answer the questions that follow.

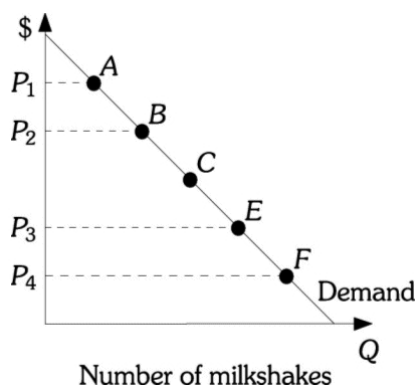


Figure 5.4

- 15) Refer to Figure 5.4. The demand for milkshakes is unitarily elastic at Point C. If the price of a milkshake is reduced from  $P_3$  to  $P_4$ , total revenue \_\_\_\_\_  
 A) could either increase or decrease. B) will remain constant.  
 C) will decrease. D) will increase.

- 16) A firm is currently producing in the inelastic portion of its demand curve. What course of action should you recommend to this firm assuming it wants to raise revenue? 16) \_\_\_\_\_
- A) Increase price, because if demand is inelastic and price is increased, total revenue will increase.
  - B) Continue producing at the current output level, because the firm will maximize its total revenue by producing in the inelastic portion of its demand curve.
  - C) Reduce price, because if demand is inelastic and price is reduced, total revenue will increase.
  - D) Continue selling at the same price, but increase the number of units it produces.
- 17) Cross-price elasticity of demand measures the response in the 17) \_\_\_\_\_
- A) quantity of one good demanded to a change in the price of another good.
  - B) income of consumers to the change in the price of goods.
  - C) quantity of one good demanded when the quantity demanded of another good changes.
  - D) price of a good to a change in the quantity of another good demanded.
- 18) If the quantity demanded of tea increases by 2% when the price of coffee increases by 8%, the cross-price elasticity of demand between tea and coffee is 18) \_\_\_\_\_
- A) 0.25.
  - B) -4.
  - C) -25.
  - D) 4.
- 19) If the quantity demanded of tea decreases by 8% when the price of coffee decreases by 16%, the cross-price elasticity of demand between tea and coffee is 19) \_\_\_\_\_
- A) -2.
  - B) 0.5.
  - C) 2.
  - D) -5.

Refer to the information provided in Figure 5.5 below to answer the questions that follow.

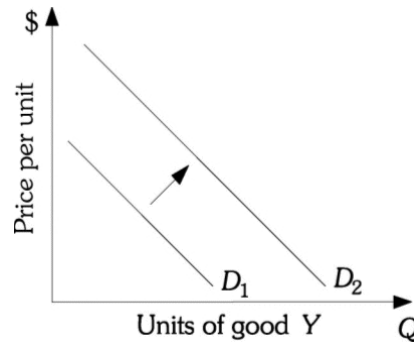


Figure 5.5

- 20) Refer to Figure 5.5. As the price of W increased, the demand for Y shifted from  $D_1$  to  $D_2$ . The cross-price elasticity of demand between W and Y is 20) \_\_\_\_\_
- A) negative.
  - B) zero.
  - C) positive.
  - D) indeterminate from this information.
- 21) If the elasticity of labor supply is positive, the labor-supply curve would be 21) \_\_\_\_\_
- A) vertical.
  - B) downward sloping.
  - C) horizontal.
  - D) upward sloping.