

## **QUIZ** for Lessons 8.5–8.6

## Graph the function.

<b>1.</b> $y = \left(\frac{5}{2}\right)^x$ (p. 520)	<b>2.</b> $y = 3 \cdot \left(\frac{1}{4}\right)^x$ (p. 531)	<b>3.</b> $y = \frac{1}{4} \cdot 3^{x}$ (p. 520)
<b>4.</b> $y = (0.1)^x$ (p. 531)	<b>5.</b> $y = 10 \cdot 5^{x}$ (p. 520)	<b>6.</b> $y = 7(0.4)^x$ (p. 531)

**7. COINS** You purchase a coin from a coin collector for \$25. Each year the value of the coin increases by 8%. Write a function that models the value of the coin over time. Then find the value of the coin after 10 years. Round to the nearest cent. (*p. 520*)

