6.6 Exercises

Find the amount of sales tax or the tax rate and the total cost (amount of sale + amount of tax = total cost). Round money answers to the nearest cent if necessary. See Examples 1 and 2.

	Amount of Sale	Tax Rate	Amount of Tax	Total Cost
1.	$6	4%	_____	_____
2.	$45	5%	_____	_____
3.	$425	_____	$12.75	_____
4.	$322	_____	$19.32	_____
5.	$284	_____	$14.20	_____
6.	$84	_____	$5.88	_____
7.	$12,229	$5\frac{1}{2}\%$	_____	_____
8.	$11,789	$7\frac{1}{2}\%$	_____	_____

Find the commission earned or the rate of commission. Round money answers to the nearest cent if necessary. See Examples 3 and 4.

	Sales	Rate of Commission	Commission
9.	$280	8%	_____
10.	$660	10%	_____
11.	$3000	_____	$600
12.	$7800	_____	$1170
13.	$6183.50	3%	_____
14.	$4416.70	7%	_____
15.	$73,500	9%	_____
16.	$55,800	6%	_____

Find the amount or rate of discount and the sale price after the discount. Round money answers to the nearest cent if necessary. See Example 5.

	Original Price	Rate of Discount	Amount of Discount	Sale Price
17.	$199.99	10%	_____	_____
18.	$29.95	15%	_____	_____
19.	$180	_____	$54	_____
20.	$38	_____	$9.50	_____
21.	$17.50	25%	_____	_____
22.	$76	60%	_____	_____
23.	$58.40	15%	_____	_____
24.	$99.80	30%	_____	_____

25. You are trying to decide between Company A paying a 10% commission and Company B paying an 8% commission. For which company would you prefer to work? What considerations other than commission rate would be important to you?

26. Give four examples of where you might use the percent of increase or the percent of decrease in your own personal activities. Think in terms of work, school, home, hobbies, and sports.

Solve each application problem. Round money answers to the nearest cent and rates to the nearest tenth of a percent if necessary. See Examples 1–7.

Country Store has a unique selection of merchandise that it sells by mail and over the Internet. Use the shipping and insurance delivery chart at the right and a sales tax rate of 5% to solve Exercises 27–30. There is no sales tax on shipping and insurance. (*Source:* Country Store Catalog.)

SHIPPING AND INSURANCE DELIVERY CHART

Up to $15.00	add $3.95
$15.01 to $25.00	add $5.95
$25.01 to $35.00	add $6.95
$35.01 to $50.00	add $7.95
$50.01 to $70.00	add $8.95
$70.01 to $99.99	add $9.95
$100.00 or more	add $10.95

27. Find the total cost of six Small Fry Handi-Pan electric skillets priced at $29.99 each.

28. A customer ordered five sets of flour-sack towels priced at $12.99 per set. What is the total cost?

29. Find the total cost of three pop-up hampers at $9.99 each and four nonstick mini doughnut pans at $10.99 each.

30. What is the total cost of five coach lamp bird feeders at $19.99 each and six garden weather centers at $14.99 each?

31. An Anderson wood-frame French door is priced at $1980 with a sales tax of $99. Find the rate of sales tax.

32. Textbooks for three classes cost $245 plus tax of $17.15. Find the sales tax rate.