

LESSON

6-6

Homework and Practice**Simple Interest**

Find each missing value.

1. $p = \$900, r = 7\%, t = 5$ years
 $I =$ _____
 2. $p = \$4,500, r = 6\%, t = 3$ years
 $I =$ _____
 3. $I = \$264, r = 5\%, t = 8$ years
 $p =$ _____
 4. $I = \$856, r = 8\%, t = 2$ years
 $p =$ _____
 5. $p = \$502, r = 4\%, t = 7$ years
 $I =$ _____
 6. $I = \$180, p = \$750, t = 4$ years
 $r =$ _____
 7. $p = \$660, r = 9\%, t = 2$ year
 $I =$ _____
 8. $I = \$2,312.50, r = 5\%, t = 5$ years
 $p =$ _____
 9. $I = \$47.52, r = 11\%, t = 8$ years
 $p =$ _____
 10. $I = \$101.16, p = \$843, r = 4\%$
 $t =$ _____
 11. $I = \$168, p = \$400, t = 6$ years
 $r =$ _____
 12. $p = \$1,110, r = 6\%, t = 3$ years
 $I =$ _____
 13. $I = \$472.50, p = \$750, r = 7\%$
 $t =$ _____
 14. $I = \$97.50, r = 6.5\%, t = 3$ years
 $p =$ _____
 15. $I = \$306.25, p = \$875, t = 10$ years
 $r =$ _____
 16. $I = \$12.40, p = \$620, t = 6$ months
 $r =$ _____
17. You deposit \$200 in an account that earns 5% simple interest. How long will it be before the total amount is \$400? _____
18. You deposit \$750 in account that earns 7.5% simple interest. How much will be in the account after 5 years? _____
19. You deposit \$6,450 in a savings account. After 4 years, the account is worth \$7,998. What simple interest rate did the account earn? _____
20. You have \$15,000 to deposit in a college fund. You want it to be worth at least \$20,000 in 5 years. What is the lowest interest rate for which you should you look when shopping for a bank? Round to the nearest 0.5%. _____