

**LESSON**

**Practice B**

**6-6**

**Simple Interest**

Find each missing value.

1.  $p = \$1,500, r = 5\%, t = 3 \text{ years}$

$I = \underline{\hspace{2cm}}$

3.  $I = \$30, r = 4\%, t = 2 \text{ years}$

$p = \underline{\hspace{2cm}}$

5.  $I = \$20, p = \$250, t = 2 \text{ years}$

$r = \underline{\hspace{2cm}}$

7.  $p = \$525, r = 3\%, t = 1 \text{ year}$

$I = \underline{\hspace{2cm}}$

9.  $I = \$450, r = 6\%, t = 4 \text{ years}$

$p = \underline{\hspace{2cm}}$

11.  $I = \$1,275, p = \$5,100, t = 5 \text{ years}$

$r = \underline{\hspace{2cm}}$

13.  $p = \$1,300, r = 4.5\%, t = 6 \text{ months}$

$I = \underline{\hspace{2cm}}$

15.  $I = \$891, p = \$2,700, t = 5.5 \text{ years}$

$r = \underline{\hspace{2cm}}$

2.  $p = \$6,000, r = 4\%, t = 2 \text{ years}$

$I = \underline{\hspace{2cm}}$

4.  $I = \$180, r = 5\%, t = 3 \text{ years}$

$p = \underline{\hspace{2cm}}$

6.  $I = \$144, p = \$800, t = 3 \text{ years}$

$r = \underline{\hspace{2cm}}$

8.  $p = \$3,200, r = 6\%, t = 4 \text{ years}$

$I = \underline{\hspace{2cm}}$

10.  $I = \$1,440, r = 3\%, t = 5 \text{ years}$

$p = \underline{\hspace{2cm}}$

12.  $I = \$3,920, p = \$14,000, t = 4 \text{ years}$

$r = \underline{\hspace{2cm}}$

14.  $I = \$47.25, r = 3.5\%, t = 1.5 \text{ years}$

$p = \underline{\hspace{2cm}}$

16.  $I = \$126, p = \$400, t = 9 \text{ years}$

$r = \underline{\hspace{2cm}}$

17. You deposit \$2,500 in an account that earns 4% simple interest. How long will it be before the total amount is \$3,000?

\_\_\_\_\_

18. You deposit \$5,000 in account that earns 6.5% simple interest. How much will be in the account after 3 years?

\_\_\_\_\_

19. A deposit of \$10,000 was made to an account the year you were born. After 12 years, the account is worth \$16,600. What simple interest rate did the account earn?

\_\_\_\_\_

20. How long will it take for \$6,500 to double at a simple interest rate of 7%? Round to the nearest tenth of a year.

\_\_\_\_\_