

Simple and Compound Interest (7-7) PR

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Use simple interest to find the ending balance.

- 1) \$17,500 at 1% for 3 years
- 2) \$59,300 at 7% for 3 years
- 3) \$33,000 at 13% for 2 years
- 4) \$28,400 at 10% for 3 years

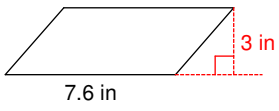
Find the total value of the investment after the time given.

- 5) \$810 at 10% compounded semiannually for 6 years
- 6) \$285 at 1% compounded annually for 3 years
- 7) \$5,000 at 8% compounded semiannually for 3 years
- 8) \$20,000 at 9% compounded annually for 7 years

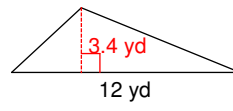
Find the area of each (Hint: If you didn't take good notes, check Chapter 10 and/or the index to find the formulas).

- 9) 
- 10) 

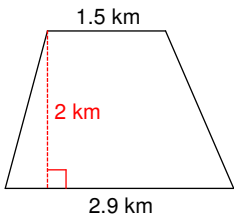
11)



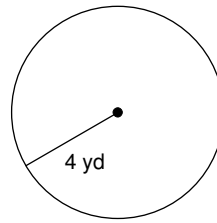
12)



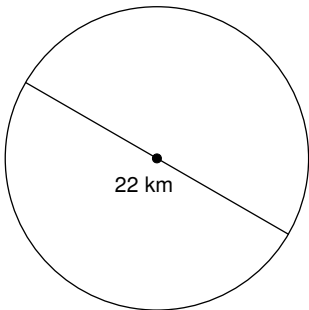
13)



14)



15)



For a circle, the radius or diameter is given. Find the area of each circle. Round your answer to the nearest tenth.

16) radius = 11.2 in

17) diameter = 8 cm

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Use simple interest to find the ending balance.

1) \$17,500 at 1% for 3 years

\$18,025.00

2) \$59,300 at 7% for 3 years

\$71,753.00

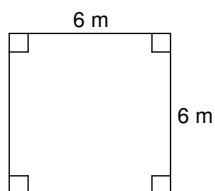
3) \$33,000 at 13% for 2 years

\$41,580.00

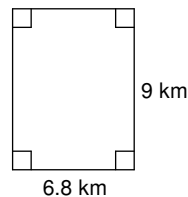
4) \$28,400 at 10% for 3 years

\$36,920.00**Find the total value of the investment after the time given.**5) \$810 at 10% compounded
semiannually for 6 years**\$1,454.64**6) \$285 at 1% compounded
annually for 3 years**\$293.64**7) \$5,000 at 8% compounded
semiannually for 3 years**\$6,326.60**8) \$20,000 at 9% compounded
annually for 7 years**\$36,560.78****Find the area of each (Hint: If you didn't take good notes, check Chapter 10 and/or the index to find the formulas).**

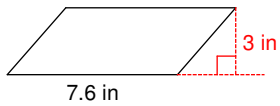
9)

**36 m²**

10)

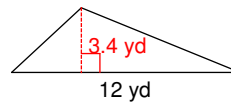
**61.2 km²**

11)



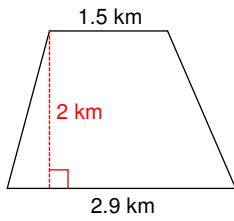
$$22.8 \text{ in}^2$$

12)



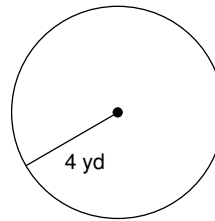
$$20.4 \text{ yd}^2$$

13)



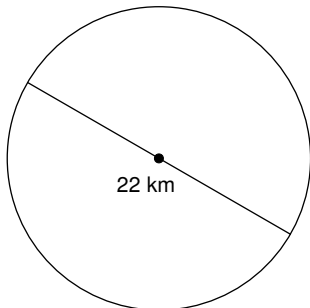
$$4.4 \text{ km}^2$$

14)



$$16\pi \text{ yd}^2$$

15)



$$121\pi \text{ km}^2$$

For a circle, the radius or diameter is given. Find the area of each circle. Round your answer to the nearest tenth.

16) radius = 11.2 in

$$394.1 \text{ in}^2$$

17) diameter = 8 cm

$$50.3 \text{ cm}^2$$