

NAME KBZOOM DATE _____ PERIOD _____

Chapter Quiz

Find the **circumference** of each circle. Round to the nearest tenth. Use 3.14 or $\frac{22}{7}$ for π .

$$C = 2 \times (\pi) \times r$$

$$\frac{25}{28}$$

$$\frac{28}{28}$$

1.

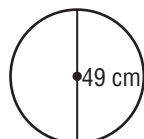


$$2 \times 3.14 \times 2.5 = 15.7$$

1.

$$15.7 \neq 16.0 \text{ in}$$

2.



$$24.5 \times 3.14 \times 2 = 153.86$$

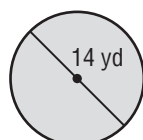
$$153.9 \text{ cm}$$

2.

$$153.86 = 154.0 \text{ cm}$$

Find the **area** of each figure. Round to the nearest tenth. Use 3.14 or $\frac{22}{7}$ for π .

3.



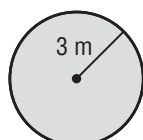
$$A = 7 \times 7 \times (\pi)$$

$$A = 49 \times (\pi)$$

$$A = 49 \times (3.14)$$

$$A = 153.86$$

4.



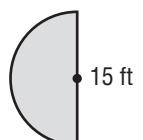
$$A = 3 \times 3 \times (\pi)$$

$$A = 9 \times (\pi)$$

$$A = 9 \times (3.14)$$

$$A = 28.26$$

5.



$$A = 7.5 \times 7.5 \times (\pi)$$

$$A = 56.25 \times (\pi)$$

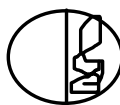
$$A = 56.25 \times (3.14)$$

$$A = 176.625$$



$$(\pi) \times r \times r$$

expo of 2



$$(\pi) \times r \times r / 2$$

$$153.9 \text{ sq yd}$$

3.

$$153.86 = 154. \text{ sq yd}$$

4.

$$28.26 = 28.3 \text{ sq m}$$

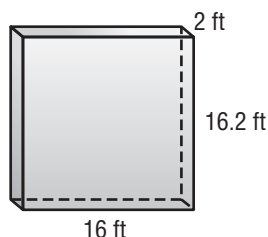
5.

$$88.3125 \text{ sq ft}$$

Find the **volume** of each figure. Round to the nearest tenth if necessary.

$$V \text{ expo } 3 = l \times w \times h$$

6.

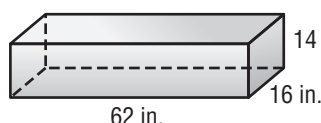


$$(16 \times 16.2) \times 2$$

6.

$$518.4 \text{ ft}^3$$

7.



$$(62 \times 16) \times 14$$

7.

$$13888 \text{ in}^3$$