

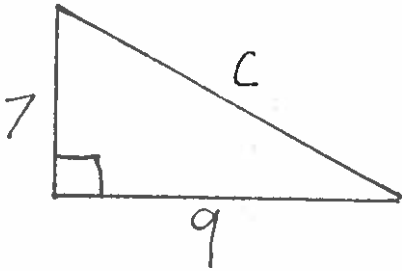
NAME _____

1. What is the name of the specific Theory/Theorem that we have been working with?
2. What is the name of the "C" side or longest side of a right triangle?

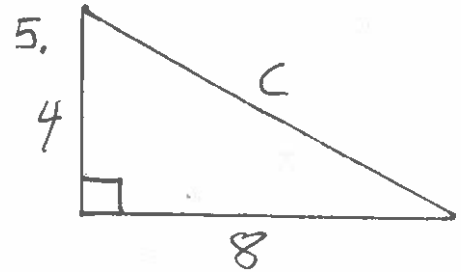
For questions 3-10, please use the formula $a^2 + b^2 = c^2$ to find each answer.

All work must be shown for full credit

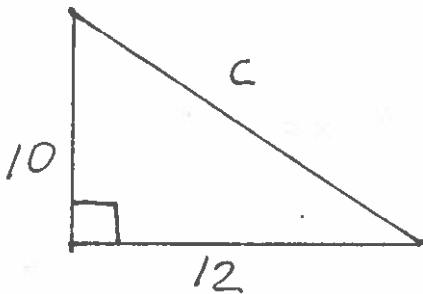
3.



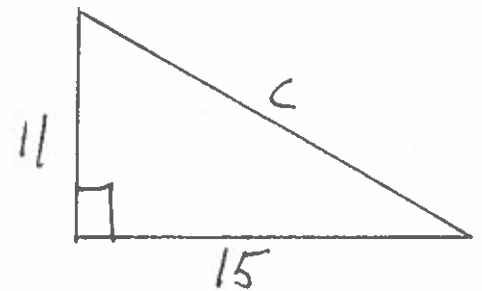
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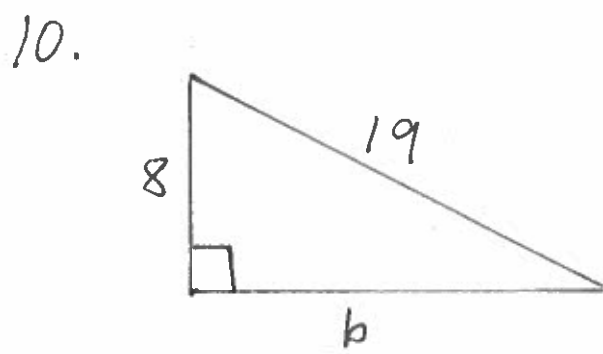
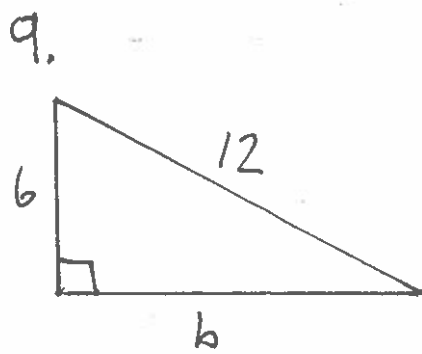
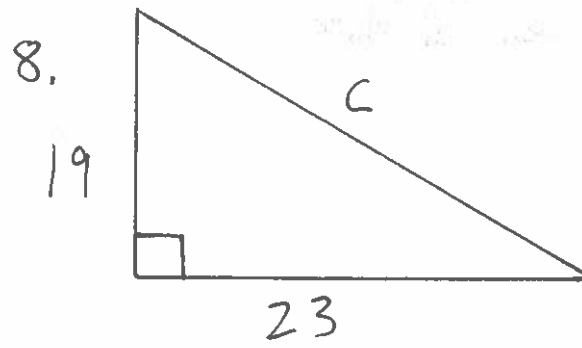
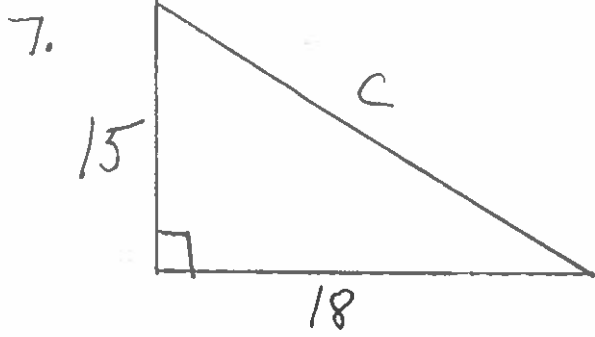


4.



6.





Blizzard Bag #2

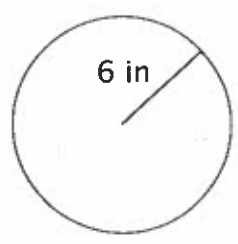
16C

Name _____

LESSON PRACTICE

Use a decimal approximation of π to find the approximate area and circumference of each circle.

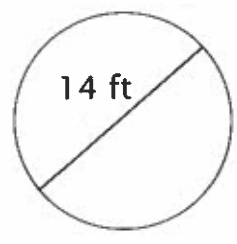
1.



A \approx _____

C \approx _____

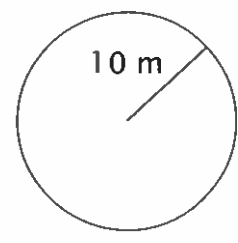
2.



A \approx _____

C \approx _____

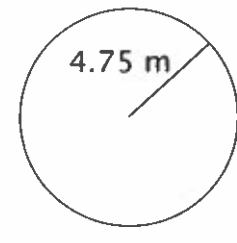
3.



A \approx _____

C \approx _____

4.



A \approx _____

C \approx _____

5. Bailey bought a round pizza that was 12 inches in diameter. About how many square inches of pizza did she have? (Round your answer to the nearest whole inch.)

6. A bag of fertilizer is supposed to cover 200 square feet. Will it be enough for a circular garden with a radius of three yards? Hint: Begin by changing the radius to feet.

7. Garden edging is sold in two-foot lengths. How many lengths must be bought to go all around the garden in #6?

8. Hannah flew her plane in a circle exactly 100 miles from the airport. About how many miles did she travel in one circuit around the airport?

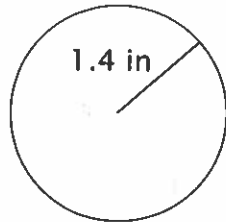
Name _____

SYSTEMATIC REVIEW

16D

Use a decimal approximation of π to find the approximate area and circumference of each circle.

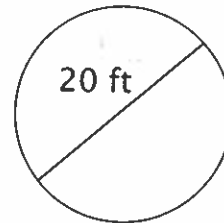
1.



$$A \approx \underline{\hspace{2cm}}$$

$$C \approx \underline{\hspace{2cm}}$$

2.



$$A \approx \underline{\hspace{2cm}}$$

$$C \approx \underline{\hspace{2cm}}$$

Convert the measures.

$$3. \quad \underline{\hspace{1cm}} \text{ m} = 15 \text{ cm}$$

$$4. \quad \underline{\hspace{1cm}} \text{ kl} = 800 \text{ liters}$$

$$5. \quad 35 \text{ g} = \underline{\hspace{1cm}} \text{ cg}$$

Multiply.

$$6. \quad 1.65 \times 9.43 = \underline{\hspace{1cm}}$$

$$7. \quad 0.209 \times 8.07 = \underline{\hspace{1cm}}$$

$$8. \quad 5.061 \times 3.94 = \underline{\hspace{1cm}}$$

Divide using the reciprocal.

$$9. \quad 6\frac{1}{5} \div 1\frac{3}{4} =$$

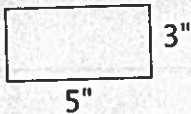
$$10. \quad 4\frac{3}{5} \div 4\frac{1}{2} =$$

$$11. \quad \frac{1}{2} \div \frac{1}{8} =$$


QUICK REVIEW

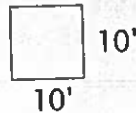
The perimeter of a rectangle is the distance around the rectangle. It is found by adding the lengths of the four sides of the rectangle. A square is a special kind of rectangle with all four sides the same length. Its perimeter is found in the same way.

Find the perimeter of each rectangle or square. The first one has been done for you.

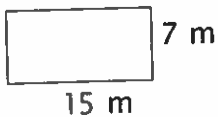


12. $P = \underline{16''}$

$$5'' + 3'' + 5'' + 3'' = 16''$$



13. $P = \underline{\hspace{2cm}}$



14. $P = \underline{\hspace{2cm}}$

15. Sam's rectangular back yard is 12 meters wide and 13 meters long. What is the perimeter of the yard?
16. One 12-meter side of Sam's back yard (see #15) is next to his house. How many meters of fence must he buy to go around the other three sides of his back yard?
17. About how many feet of fence must Sam buy? (See #16.)
18. Alexis earned \$18,550 last year. If the local wage tax is 2%, what must she pay for that tax?