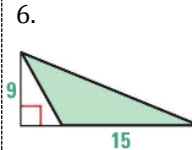
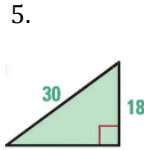
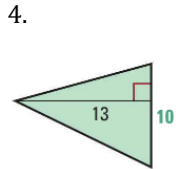
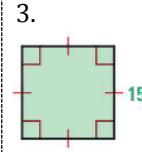
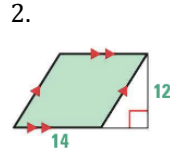
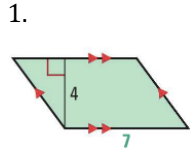


LEVEL: EMERGING

FINDING AREA

Directions: Find the area of the polygon. All units are in meters.



PYTHAGOREAN THEOREM

Directions: The lengths of the hypotenuse and one leg of a right triangle are given. Find the perimeter and area of the triangle.

7. Hypotenuse: 15in Leg: 12in

8. Hypotenuse: 85m Leg: 84m

9. Hypotenuse: 34ft Leg: 16ft

LEVEL: PROFICIENT

ERROR ANALYSIS

Directions: Describe and correct the error in finding the area of the parallelogram

10.

$A = bh$
 $= (6)(5)$
 $= 30$

11.

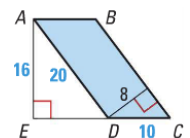
$A = bh$
 $= (7)(4)$
 $= 28$

COMPARING METHODS

Directions: Show two different ways to calculate the area of parallelogram ABCD. Compare your results.

12. **METHOD 1**

METHOD 2



COMPARE:

Directions: Find the indicated measures.

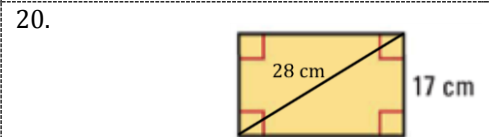
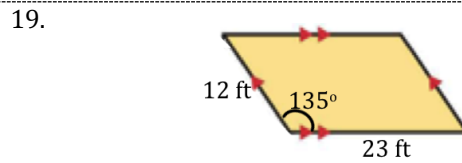
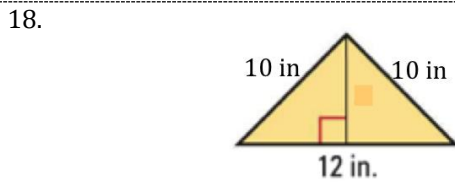
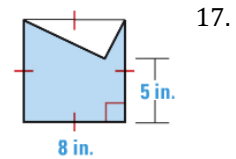
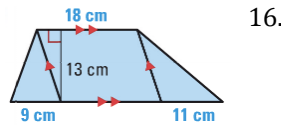
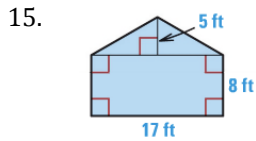
13. The area of a triangle is 4 square feet. The height of the triangle is half its base. Find the base and the height.

14. The area of a parallelogram is 507 square centimeters, and its height is three times its base. Find the base and the height.

LEVEL: MASTERY

FINDING AREA

Directions: Find the area of the shaded polygon. If necessary, round to the nearest thousandth.



COORDINATE GEOMETRY

Directions: Find the area of the polygon using the given coordinates of the vertices.

21. A (3, 3), B (10, 3), C(8, -3), D(1, -3)

