Name_____ Class Period_____ Date_____ Points ____/6

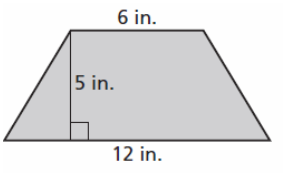
Area of Trapezoids

You must earn 6 points!

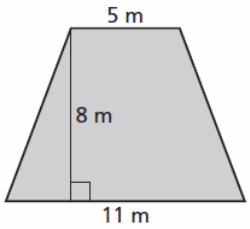
Find the area of the trapezoid.

1 point

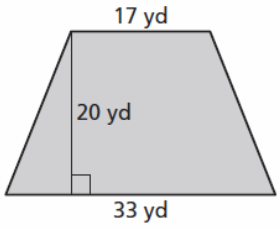
1.



2.



3.



Find the area of a trapezoid with height h and bases b_1 and b_2.

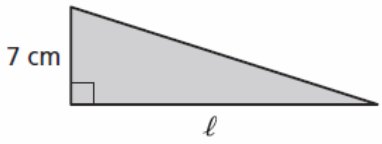
4. **h = 14 cm**
b_1 = 5 cm
b_2 = 11 cm

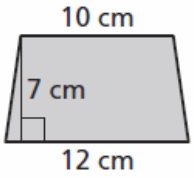
5. **h = 6 ft**
b_1 = 6.5 ft
b_2 = 2.5 ft

6. **h = 22 m**
b_1 = 9.3 m
b_2 = 10.7 m

Solve the word problem.

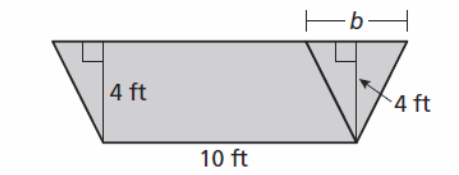
7. The triangle and the trapezoid have the same area. What is the length *l* of the triangle?





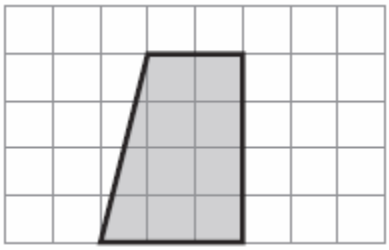
2 points

8. The trapezoid consists of a triangle and a parallelogram. The area of the trapezoid is 48 square feet. Find the length of the base of the triangle.

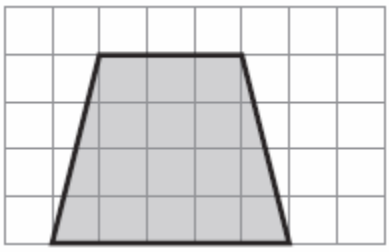


Find the area of the trapezoid.

9.



10.



Name_____ Class Period_____ Date_____ Points ____/**6**

Reflecting Back

You must complete ALL 6 problems!

1. **Simplify the expression by using the Distributive Property and then combining like terms.**

$$9(w + 6) + 4$$

2. **Write the word sentence as an equation.**

The quotient of 168 and a number x is 14.

3. **Tell whether the given value is a solution of the equation.**

$$2.5w = 12.5; \quad w=5$$

4. **Find the whole.**

75% of what number is 24?

5. **Find the unit rate.**

You receive 30 text messages in 12 minutes.
What is the rate of text messages per minute?

6. **Evaluate the expression.**

$$(24 \div 3) + 3 + 4^2$$