

Name: _____

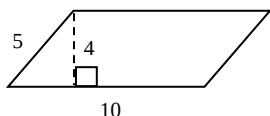
Geometry

Worksheet 11-2 Areas of Parallelograms, Trapezoids, Rhombuses and Kites

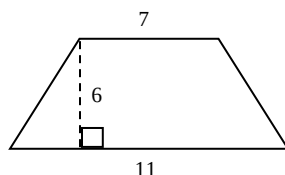
Formulas: $A = bh$ (Parallelogram); $A = \frac{1}{2} (b_1 + b_2)h$ (Trapezoid); $A = \frac{1}{2} d_1 d_2$ (Rhombus and Kite)

Find the area of each figure:

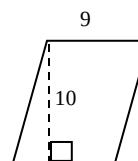
1.



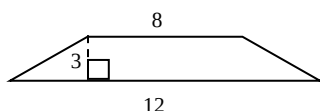
2.



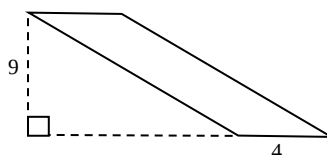
3.



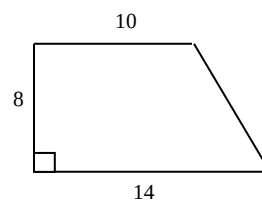
4.



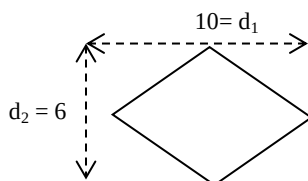
5.



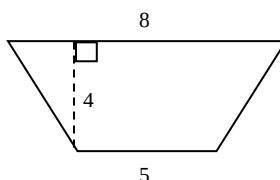
6.



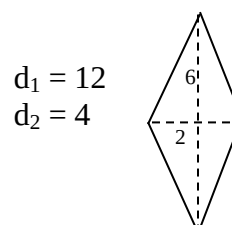
7. Rhombus



8.



9. Rhombus

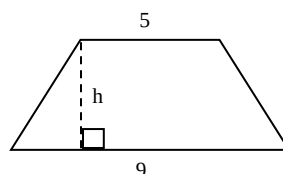


Find the missing part of each figure given the area

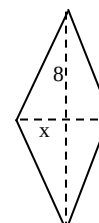
10. Area = 48



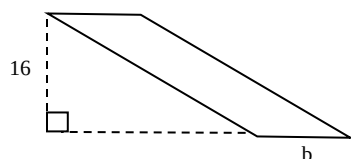
11. Area = 42



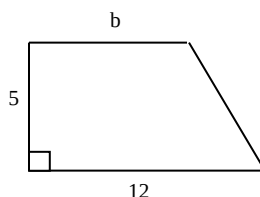
12. Area = 48 (Rhombus)



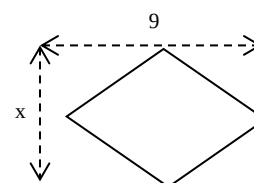
13. Area = 64



14. Area = 50

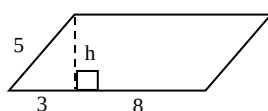


15. Area = 27 (Rhombus)

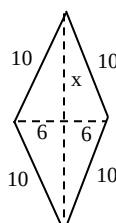


Find the missing part using the Pythagorean Theorem and find the area.

16.



17.



18.

