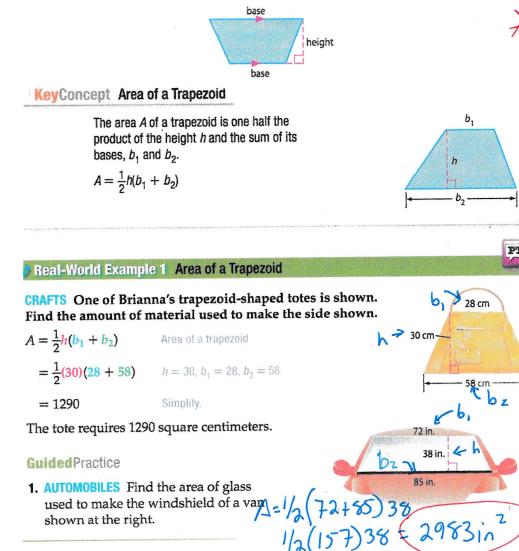
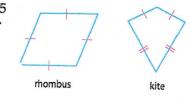
reas of Trapezoids, Rhombi, and Kites

Areas of Trapezoids In Lesson 6-6, you learned that a *trapezoid* is a quadrilateral with exactly one pair of parallel sides. These parallel sides are called *bases*. The height of a trapezoid is the perpendicular distance between its bases.

In the figure below, a translation and rotation of the first trapezoid results in two congruent trapezoids that fit together to form a parallelogram.



Areas of Rhombi and Kites Recall from Lessons 6-5 and 6-6 that a *rhombus* is a parallelogram with all four sides congruent and a *kite* is a quadrilateral with exactly two pairs of consecutive congruent sides.



Sector 2 Area of a Rhombus or Kite

