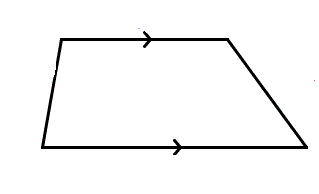
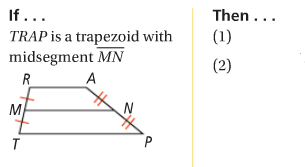
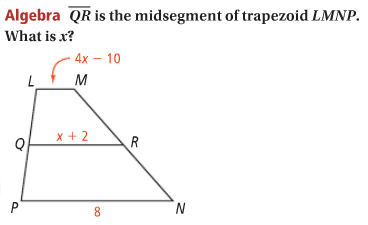
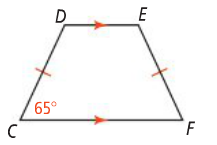
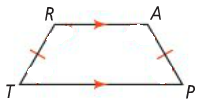
**Parts of a Trapezoid**

**Trapezoid Midsegment Theorem Problem 1**

**Isosceles Trapezoid Problem 2**

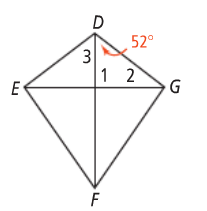
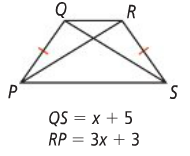
**In an isosceles trapezoid, What are *m*∠D, *m*∠E, and *m*∠F?**

** each pair of base ∠s is \_\_\_\_\_\_\_\_\_\_.**

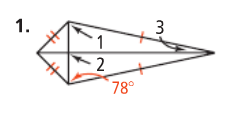
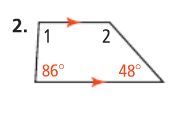
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**Problem 3 Problem 4**

**Solve for x. Quadrilateral DEFG is a kite.**

** What are *m*∠1, *m*∠2, and *m*∠3?**

**APPLICATION**

**What are the measures of the numbered angles?**

**3. What is the length of the midsegment of a trapezoid with bases 14 and 26?**

**PUTTING IT TOGETHER (to be gone over in class)**

**Name each type of special quadrilateral that can meet the given condition.**

**1. exactly one pair of congruent sides 2. two pairs of parallel sides**

**3. four right angles 4. adjacent sides that are congruent**

**5. perpendicular diagonals 6. congruent diagonals**