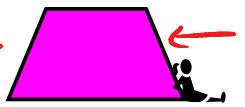


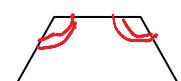
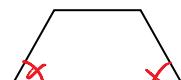
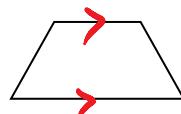
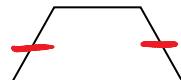
Isosceles Trapezoids →



Definition of a Trapezoid:
Exactly ONE pair of opposite sides \parallel
 \parallel sides are bases

Properties of Isosceles Trapezoids:

- 1) The Legs are \cong
- 2) bases are \parallel
- 3) Lower base \angle 's \cong
- 4) Upper base \angle 's \cong
- 5) Diagonals are \cong
- 6) Any lower base \angle is supplementary to any upper base \angle



Proving That a Quadrilateral is an Isosceles Trapezoid

- 1) If the non-parallel sides $\cong \rightarrow$ trap
- 2) If the lower base \angle 's trap \cong or upper \rightarrow isos. trap
- 3) If the diagonals of a trapezoid are $\cong \rightarrow$ isos

