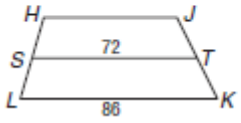
Name _____ Date_____ Period ____

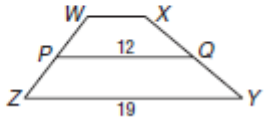
Geometry CP – Practice Sheet on Trapezoids

ALGEBRA Find the missing measure(s) for the given trapezoid.

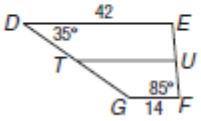
1. For trapezoid $HJKL$, S and T are midpoints of the legs. Find HJ.



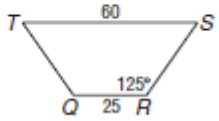
2. For trapezoid $WXYZ$, P and Q are midpoints of the legs. Find WX.



3. For trapezoid $DEFG$, T and U are midpoints of the legs. Find TU, $m\angle E$, and $m\angle G$.

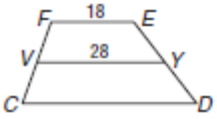


4. For isosceles trapezoid $QRST$, find the length of the median, $m\angle Q$, and $m\angle S$.

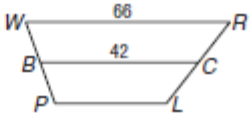


ALGEBRA Find the missing measure(s) for the given trapezoid.

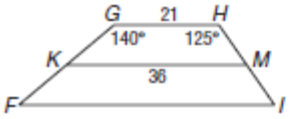
5. For trapezoid $CDEF$, V and Y are midpoints of the legs. Find CD.



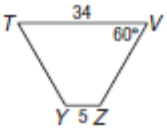
6. For trapezoid $WRLP$, B and C are midpoints of the legs. Find LP.



7. For trapezoid $FGHI$, K and M are midpoints of the legs. Find FI, $m\angle F$, and $m\angle I$.



8. For isosceles trapezoid $TVZY$, find the length of the median, $m\angle T$, and $m\angle Z$.



9. **CONSTRUCTION** A set of stairs leading to the entrance of a building is designed in the shape of an isosceles trapezoid with the longer base at the bottom of the stairs and the shorter base at the top. If the bottom of the stairs is 21 feet wide and the top is 14 feet wide, find the width of the stairs halfway to the top.

10. **DESK TOPS** A carpenter needs to replace several trapezoid-shaped desktops in a classroom. The carpenter knows the lengths of both bases of the desktop. What other measurements, if any, does the carpenter need?