

18. Copy the diagram, the "given" statement, and the "prove" statement. Artistic shading is optional. (Try to draw the diagram freehand; use tracing only as a desperate last resort.)

Given: $\overline{AD} \parallel \overline{BC}$

$\overline{CF} \perp m$

$\overline{FI}$ lies in m

$FC = FB$

$\triangle DAF$ is isosc.

Prove: $ABCD$ is an isosc. trapezoid

