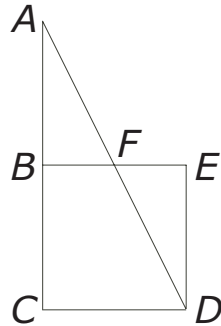# Problem of the Week
Grade 7 and 8

All Things Being Equal

Square $BCDE$ and $\triangle ACD$ have equal areas. Square $BCDE$ has sides of length 12 cm. AD intersects BE at F.

Determine the area of quadrilateral $BCDF$.