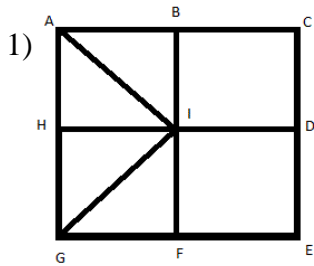


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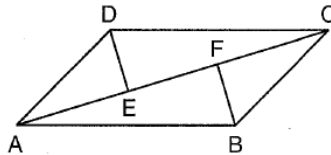
Geometry
 Unit 8
 HW 8-9



Given: BCEF is a rectangle
 BCDI is a square
 ACEG is a parallelogram
 B and F are midpoints
 $\overline{IF} \cong \overline{ID}$

Prove: $\triangle AIG$ is isosceles

2) In quadrilateral $ABCD$, $\overline{AB} \cong \overline{CD}$, $\overline{AB} \parallel \overline{CD}$, and \overline{BF} and \overline{DE} are perpendicular to diagonal \overline{AC} at points F and E .



Prove: $\overline{AE} \cong \overline{CF}$

3) In square $GEOM$, the coordinates of G are $(2, -2)$ and the coordinates of O are $(-4, 2)$.
 Determine and state the coordinates of vertices E and M .

