



Problem of the Week

Problem C

Up to a Certain Point

Points $A(7, 12)$, $B(3, 2)$, $C(11, 2)$, $D(6, 2)$ and $E(10, 2)$ are placed on the Cartesian plane, as shown below. The point F is placed inside $\triangle ABC$ so that the area of the shaded region is 32 units².

If the x -coordinate of F is 8, what is the y -coordinate of F ?

