



Problem of the Week

Problem C

No Longer a Rectangle

In the following slightly irregular shape,

- $AB = 50$ cm, $CD = 15$ cm, $EF = 30$ cm;
- the area of the shaded triangle, $\triangle DEF$, is 210 cm²; and
- the area of the entire figure, $ABCDE$, is 1000 cm².

Determine the length of AE .

