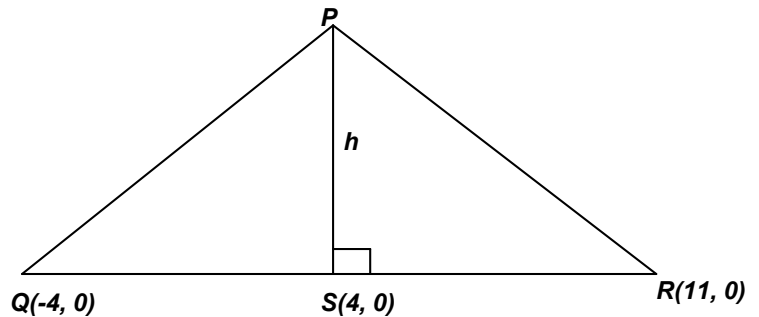***** **NO CALCULATORS IN THIS ROUND** *****
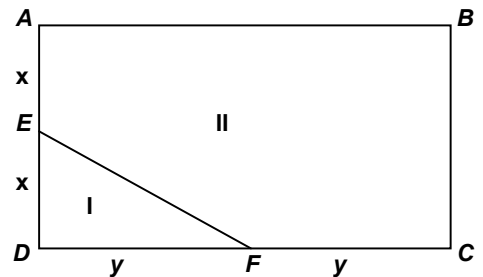
ANSWERS

A) _____ units^2

B) _____ units^2

C) _____ units

A) The area of ΔPQR is 45 square units.
   The areas of ΔPQS and ΔPSR are unequal.
   Determine the smaller of the two areas.

B) Rectangle *ABCD* has an area of 500 square units.
   E and *F* are midpoints of two adjacent sides.
   Determine the area of the larger of the two regions
   inside *ABCD* created by $\overline{EF}$.

C) Given: quadrilateral *ABCD* with perpendicular diagonals and
   $AB = 13$, $BC = 15$, $BD = 52$, $AC = 14$
   To the nearest integer, what is the perimeter of ΔADE?