ANSWERS
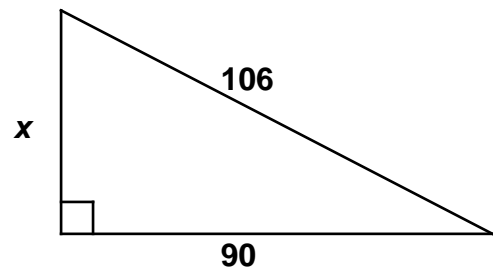
A) _____

B) _____

C)   (_____ , _____)

A) Compute *x*.

B) Given: *ABCD* is a parallelogram, *AB* = 12, *AD* = 8,
   Δ*AEB* is isosceles with *AE* = *BE*, m∠*DAB* = 60°

   Compute *AE*.
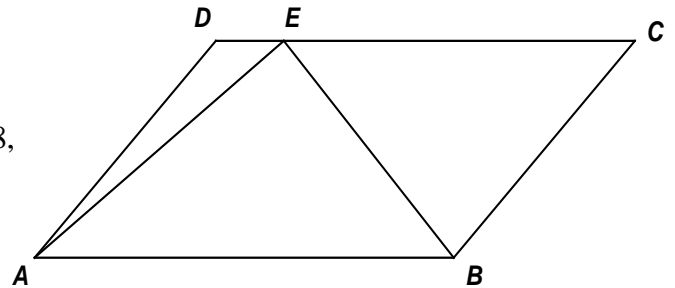
C) In Δ*ABC*, m∠*ACB* = 90°, $\overline{CD} \perp \overline{AB}$, *AC* = 3*x* + 2*y* + 1,
   BC = 6*y* − 2, *AB* = 7*x* + 2*y* + 1,
   AD = 4*x* − 2, *DB* = 5*y* − 3 and *CD* = 2(*x* + *y*).
   Compute the ordered pair (*x*, *y*).