Name:

BECA / Dr. Huson / Geometry 02 Area and volume

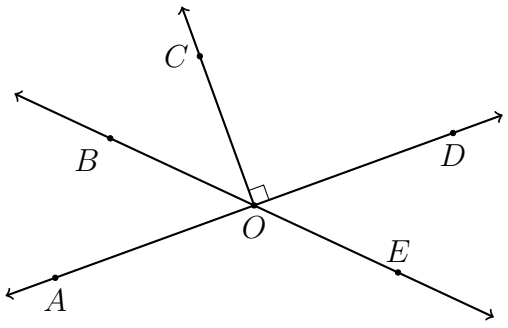
2.2 CW Compound areas

1. Do Now: Identify the true statement(s) given $\angle AOB = 2x$ and $\angle BOC = 5x + 20$.

   (a) $\angle AOB \cong \angle BOC$
   $2x = (5x + 20)$

   (b) $\angle AOB$, $\angle BOC$ are complementary
   $2x + (5x + 20) = 90°$

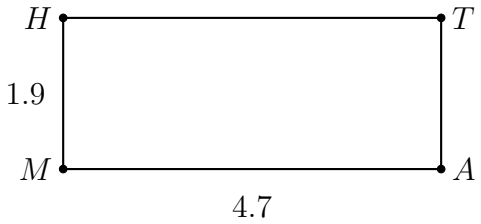
   (c) $\angle AOB$ and $\angle BOC$ are a linear pair
   $2x + (5x + 20) = 180°$



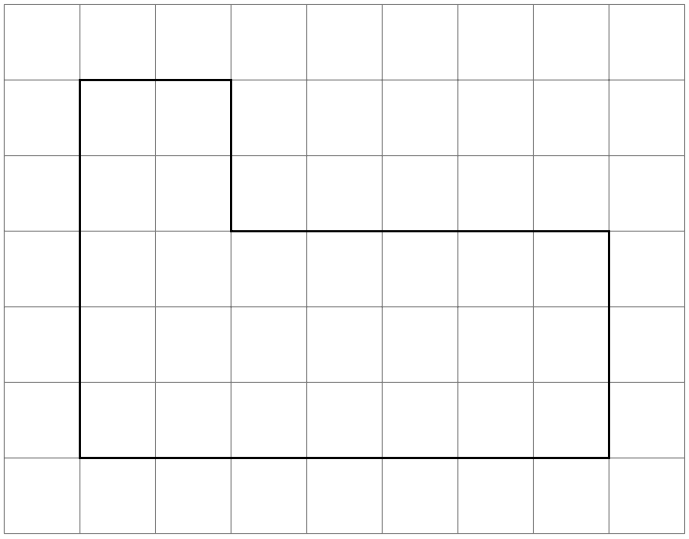
   Copy the correct equation and solve for x. Check your answer.

2. Given the rectangle $ABCD$, shown below, with $AB = 11$ and $AD = 5$. Find its area.

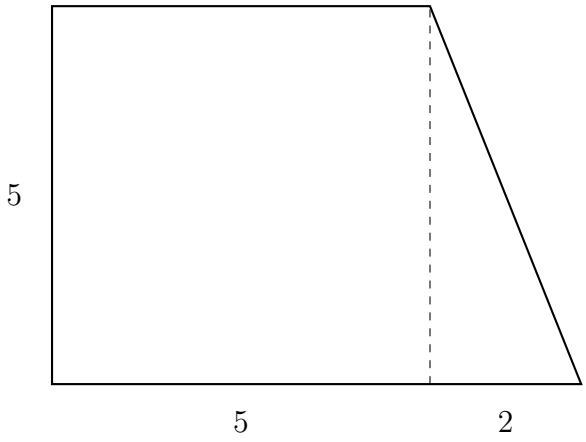
3. Find the area of the rectangle $MATH$ shown below, with $MA = 4.7$ and $MH = 1.9$.



4. Find the combined area of the shape shown below, a rectangle and a square. The grid is in centimeters.



5. The compound shape shown below is composed of a square with side length 5 cm and a triangle with base 2 cm. Find the total area of the combined shape.



6. Repeat the calculation for the figure above using the trapezoid area formula.