Area of a triangle w/abstraction

1) Given the line $y = ax$ with $a > 0$, and the line $y = -ax + k$, with an x-intercept of $(n,0)$:

   a) Draw a picture to represent the situation.

   b) Find the value of k in terms of a and n.

   c) Find the point of intersection of the two lines in terms of a and n by setting the equations for the lines equal to each other.

   d) Find area of the triangle with vertices at $(0,0)$, $(n,0)$ and the point of intersection.