

**Due Tuesday February 14<sup>th</sup>**

Given  $A(-11, 3)$ , Find the area of  $\triangle AA'A''$  if  $A'$  is the image of  $A$  after the transformation  $T_{(8,-12)}$  and  $A''$  is the image of  $A'$  after the transformation  $r_{y=-\frac{3}{2}x+6}$ . Round your answer to the *nearest hundredth*.