Name $\qquad$ Date $\qquad$

Andrea needs a new air conditioning system for her house. An air conditioner needs to be big enough to cool a house, but it will wear out quickly if it is too big. Calculate the volume of the house pictured below to help Andrea choose the right air conditioner.


Mathematics Formative Assessment System
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Name $\qquad$ Date $\qquad$

Find the area of the regular octagon with a center of $P$. Show all work and explain how you found your answer.


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Name $\qquad$ Date $\qquad$

Find the surface area of the right triangular prism. Show all work and explain how you found your answer.


