

You have 30 minutes. Take your time!  
Note that this sheet has **two sides**.

Name: \_\_\_\_\_

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ONE: We've used this formula a lot in the past few homework assignments:

$$x = 0.005454 \cdot dbh^2$$

a) what is  $x$ ? What are the units for  $x$ ?

b) what are the units for the constant  $0.005454$ ?

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TWO: A total of 250 trees were sampled across 10 plots that were  $1/5^{\text{th}}$  acre in size. What is the estimated mean number of trees per acre?

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THREE: Explain how you correct for slope when checking borderline trees in a circular fixed-area plot.

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FOUR: In point sampling (a.k.a. prism cruising or angle-count sampling) we say that “each tree has it’s own plot”. What does this mean? Explain.

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Write nothing below the line above.