§3.4: APPLIED OPTIMIZATION

Dr. Mike Janssen March 19, 2021

ANNOUNCEMENTS

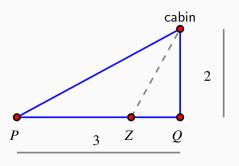
• Reflection on beauty due Monday

STRATEGIES FOR SOLVING APPLIED PROBLEMS

- Draw a picture and introduce variables-what quantities can vary?
- · Identify the quantity to be optimized
- Determine a function of a single variable that models the quantity to be optimized
- What is the domain of the function to be optimized? What does physics dictate?
- Use calculus to optimize
- Answer the original question

ACTIVITIES 3.4.2-3.4.3

ACTIVITIES 3.4.2-3.4.3



ACTIVITIES 3.4.4-3.4.5

ACTIVITIES 3.4.4-3.4.5

