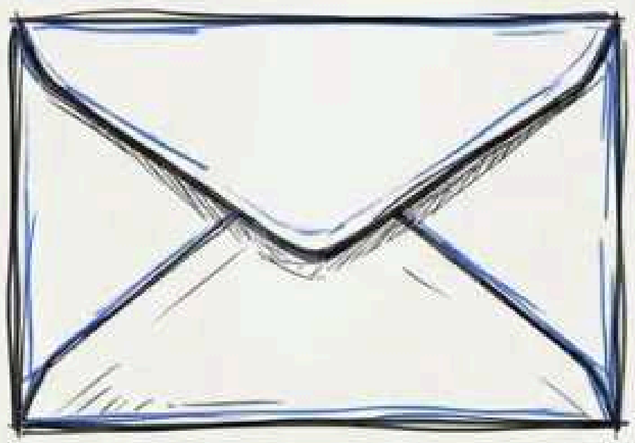


Questions or feedback via email:
garyanderson@mail.grokbot.com



Reach out on X:
@garyanderson

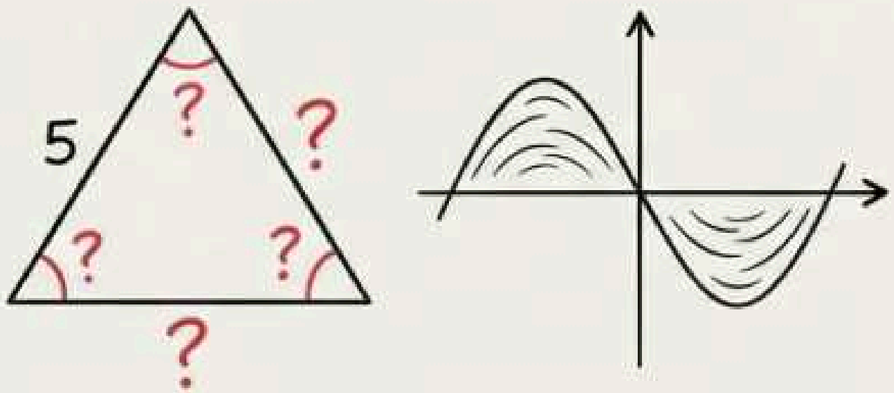
¶ 0.2

Anderson Academy:
MATH 110 B

- 6 Short Lectures
- 1 Hour Total Investment

Yields

Mastery Objective



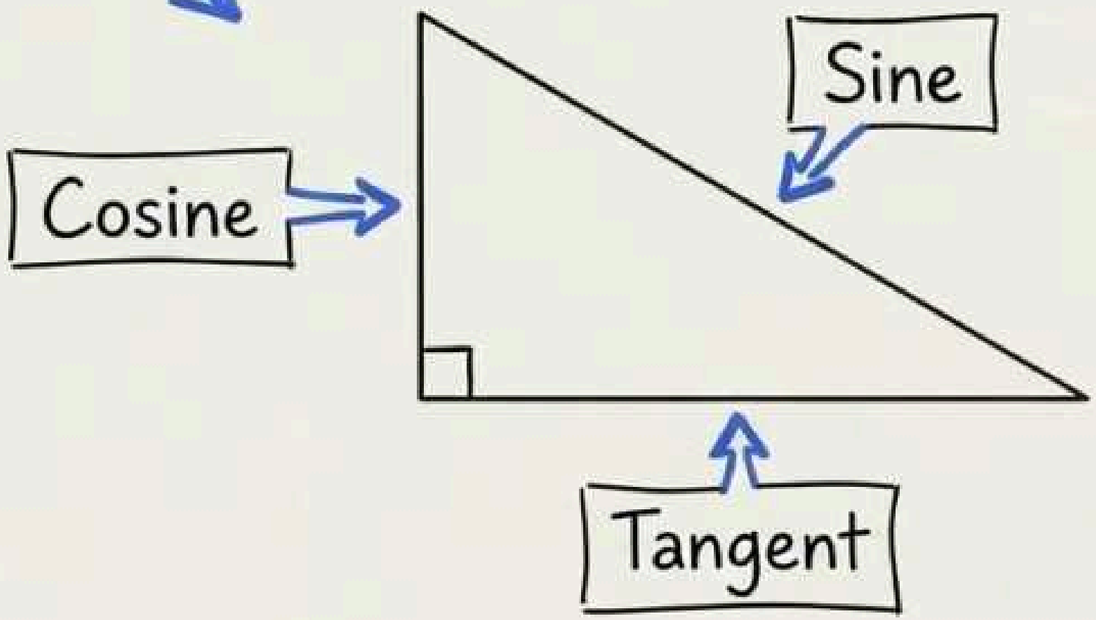
¶ 0.3

Trigonometry

Trigonon (Triangle)

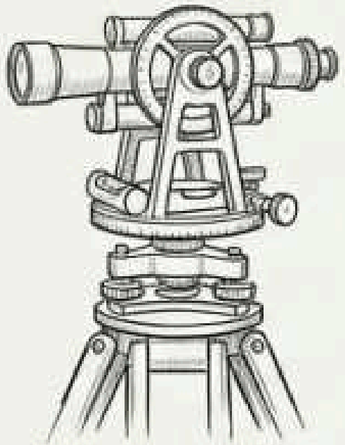
Metron (Measure)

Small set of foundational ratios



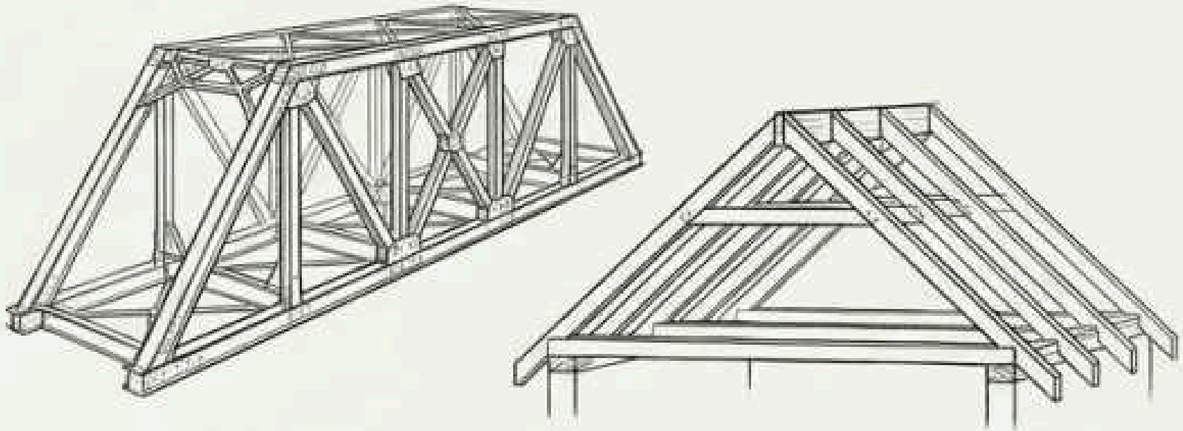
¶ 0.4

Surveying



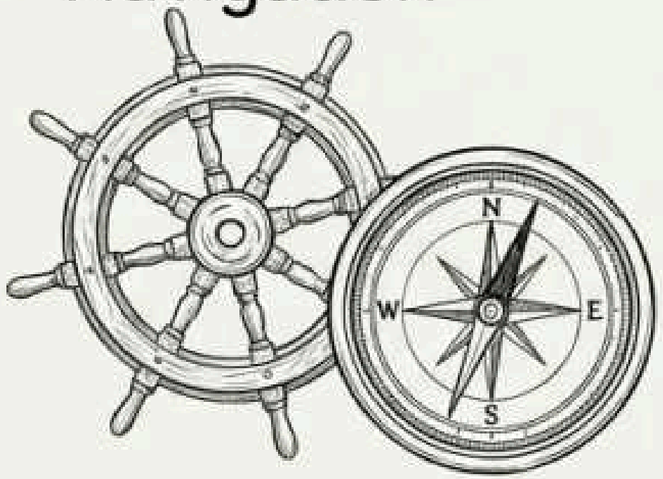
Measuring un-walkable distances.

Engineering



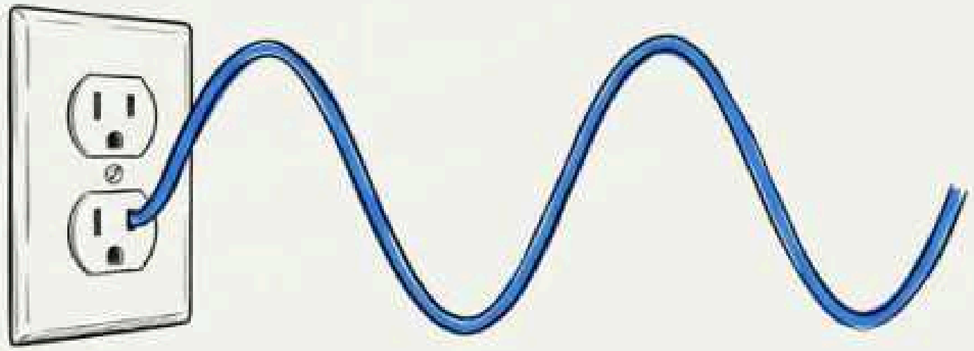
Designing ramps, bridges, and roofs.

Navigation



Guiding sailors and pilots.

Repeating Patterns



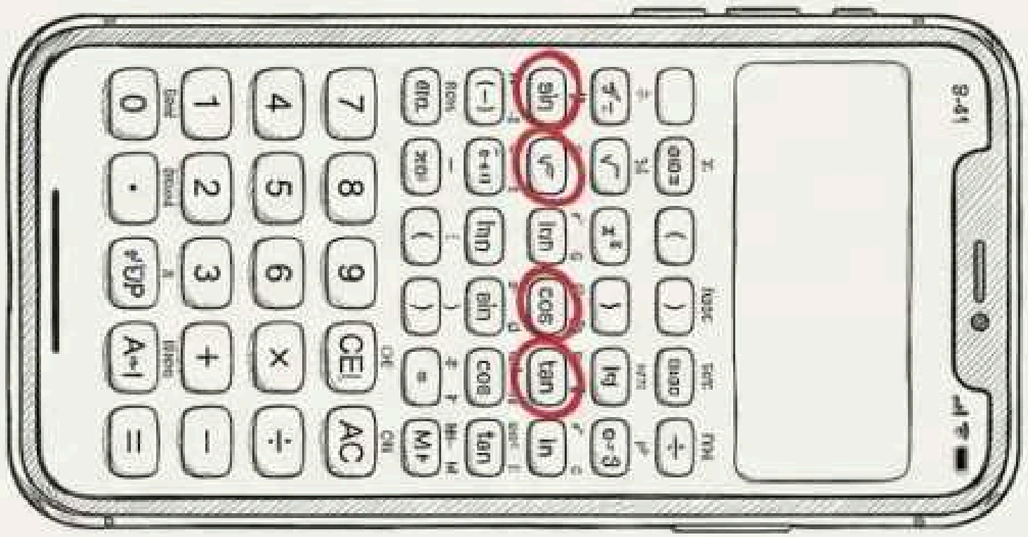
Describing sound, light, tides, and alternating current.

¶ 0.5

Prerequisite: Math 101 B (or equivalent)

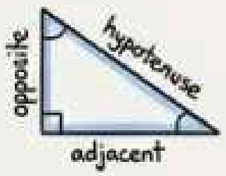
- ☑ Solving equations
- ☑ Working with fractions
- ☑ Using squares & square roots

Required Equipment



¶ 0.6

1 Define the three ratios

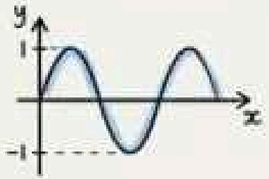


2 Solve heights and distances

3 Radians & the unit circle

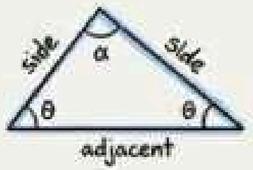


4 Graphs of waves



5 Identities & trigonometric equations

6



Solving triangles with no right angle

¶ 0.7

- Pause the video
- Try examples before the answer
- Keep a calculator beside you

[Transcripts spell out every formula so they can be read aloud.]

WARNING



Check Degrees vs. Radians. This one setting causes more **wrong** answers than any other mistake.

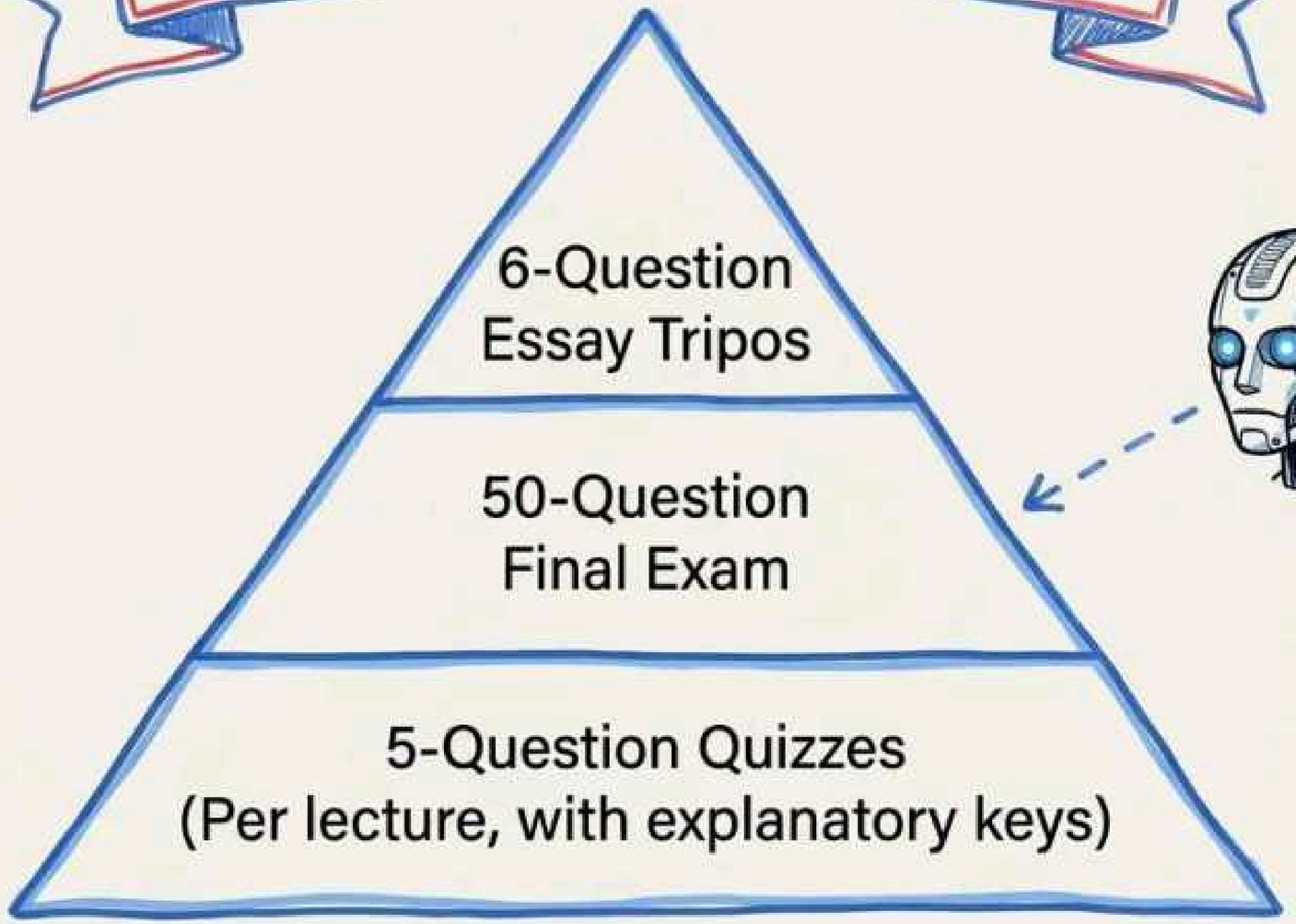
¶ 0.8

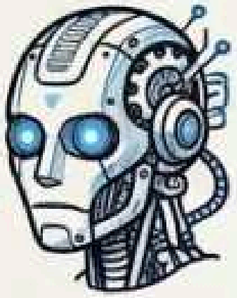


Mistakes are still possible. If you find one, report it using the exact paragraph number (e.g., paragraph 4.6).

¶ 0.9

All assessments are formative
(built to help you learn, not to grade you).





Feed transcripts to the AI Tutor for custom quizzing.

Email: garyanderson@mail.grokbot.com | X: @garyanderson



Lecture 1: The right triangle and the three ratios.