

Thinking of taking FOM 11?

Foundations of Math 11... is it for me?



Who is it for?

- ❑ Check with the college or university to see if this is the right prerequisite for what you wish to study
- ❑ NOT algebra-heavy and graphing-heavy
- ❑ Good for students who are considering a career needing statistics, business, psychology (not careers that need heavy-duty math, like engineering and medicine)
- ❑ More difficult than Apprenticeship and Workplace Math 11 (which is mostly conversions, numeracy, calculator work)
- ❑ Not as difficult as Pre-Calc 11 (very little algebra and graphs)...mostly numeracy skills needed, lots of decimals rather than fractions





Main difference between Pre-Calc 11 and FOM 11

	Pre-Calculus 11	FOM 11
Use of fractions rather than decimals	yes	no
Use of algebra rather than numeracy	yes	no
Graphing such as parabolas	yes	little
Geometry and Trigonometry	only trig	both
Statistics	no	yes



What do you learn in FOM 11?

Ch.1: Measurement (rates, scale diagrams, area, volume)

Ch.2: Mathematical Reasoning (inductive and deductive reasoning, puzzles)

Ch.3: Reasoning with Angles and Triangles (angle relationships, proofs, polygons)

Ch.4: Trigonometry (Right triangles, Sine and Cosine Laws, Applications)

Ch.5: Statistics (Standard deviation, bell curves, z-scores, confidence intervals)

Ch.6: Quadratic Functions (graphing parabolas in 3 different forms, using DESMOS)

Ch.7: Quadratic Equations (finding x-intercepts/roots, the quadratic formula, applications)

How is it taught?

- ❑ Some project-based (2 projects: one with puzzles, another with z-scores)
- ❑ 7 tests (one for each unit taught), re-testing allowed
- ❑ Quizzes for check-ins
- ❑ Numeric and rubric-grading
- ❑ All work done in a manual you purchase: iWriteMath FOM 11 (no binder needed)...you can buy through “School Cash On-line” and get from your FOM 11 teacher \$25
- ❑ Final assessment with notes allowed (no exam in Covid year)



Make a RATIONAL decision...your future depends on it!



A video:



The screenshot shows a video player interface. At the top, there is a black bar with the text "amazon" and "From Mission: Impossible to Frank" on the left, and "Share" on the right. The main content is a webpage with a blue sky background. The title is "Designing the Wheel Chair Ramp" and the subtitle is "Use Trigonometry to Calculate". Below the title, there is a paragraph of text: "Determining the length of a ramp for a wheelchair is a real world application of trigonometry. Use trigonometry to calculate the length of the ramp." A URL is provided: http://mathcentral.ubc.ca/viewVideo.php?video_id=100066. There are three images: a blue square with "I ♥ Trigonometry", a diagram of a ramp with "Ramp length" labeled, and a diagram of a wheelchair on a ramp.