Final Evaluation: Overview

MPM2D, Grade 10 Principles of Mathematics (Academic), Final Evaluation. 6 classes of 75 minutes (4 culminating classes and 2 review classes), plus the two-hour written exam in the exam period. The culminating task is part of classroom work (about 10%); the exam is the 20% final evaluation.

The big question

How can we bring the whole course together to design something real, and show what we've learned?

Under Ontario's 2026 requirements, the Grade 10 math final evaluation is a 20% written exam, and the culminating task counts as classroom work. The culminating task, Design the Splash Pad (about 10%), asks students to design a splash pad on a coordinate grid and prove that it meets a brief: a gate where two paths meet (linear systems), path lengths and paving (distance), water jets with set heights and landing distances (quadratics), benches outside a circular spray zone, a pad verified as a parallelogram and a drain on a right bisector (analytic geometry), and a shade sail and an accessible ramp (trigonometry). Two conferences give feedback along the way. Two review classes cover every strand with review packages and worked solutions. The final exam (20%) is a two-hour written paper in the exam period covering all three strands, with a full marking guide and a second version for make-ups.

Lessons

#	Lesson	Classes	Question	Expectations	What's inside
C1	**Splash Pad: The Brief and the Paths**	1	Where do the paths meet?	AG1.2, AG2.5	Brief and rubric; site plan; gate; paving; proposal
C2	**Splash Pad: Water Jets**	1	Does each jet meet the rules?	QR4.1, QR4.2	Jet lab; designing jets; Conference 1
C3	**Splash Pad: Layout and Shade**	1	Does the layout check out?	AG2.4, AG2.5, AG3.3, T2.3, T3.4	Spray zone; verifying the pad; drain; sail; ramp; Conference 2
C4	**Splash Pad: Pitch Your Design**	1	Can we prove it works?	QR4.2, AG1.2, AG3.3, T3.4	Final plan; design report; gallery walk; self-assessment
R1	**Review: Analytic Geometry and Trigonometry**	1	What do I still need to practise?	AG and T strands	Review package, part 1, with solutions
R2	**Review: Quadratics**	1	Am I ready?	QR strand	Review package, part 2, with solutions
E	**Final Exam (Version A or B)**	1	What have I learned?	QR, AG and T	35 questions, 110 marks, K/T/C/A totals

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Assessment

Type	In this unit
Assessment as learning	Site Study, Jet Lab, Check the Layout, peer feedback, self-assessment, review packages and traffic-light checks
Assessment for learning	Design Proposal, My Jets, and Shade and Access (planning package), with two conferences
Assessment of learning	Culminating task, Design the Splash Pad (classroom work, about 10%), with a rubric; final exam (20%, written in the exam period) with full solutions and a make-up version

Materials

Included:

- **Original problems and exemplar:** every question, the Riverside Park site and the worked exemplar were written for this course
- **Teacher guide:** planning notes, accommodations, worked values for every feature and a conference record
- **Start Here:** this overview, the culminating task and rubric, the teacher guide, exam Versions A and B, and the solutions

Free tools only: graph paper, calculators and Desmos (free).

What's in each lesson

- Teacher lesson plan with expectations, timed sequence, differentiation, look-fors and answer guides
- Slides with speaker notes
- Student handouts and organizers
- Editable Word and PowerPoint files, plus PDFs

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