

Tab 1, Handout 9

Next Generation Standard

Standard 10: Mathematical Reasoning and Problem Solving

In a general sense, all of mathematics is problem solving. In all of their mathematics, students use problem-solving skills: they choose how to approach a problem, they explain their reasoning, and they check their results.

	Benchmark Code	Benchmark
✱	MA.912.A.10.1	Use a variety of problem-solving strategies, such as drawing a diagram, making a chart, guess- and-check, solving a simpler problem, writing an equation, working backwards, and create a table.
✱	MA.912.A.10.2	Decide whether a solution is reasonable in the context of the original situation.
✱	MA.912.A.10.3	Decide whether a given statement is always, sometimes, or never true (statements involving linear or quadratic expressions, equations, or inequalities rational or radical expressions or logarithmic or exponential functions).
	MA.912.A.10.4	Use counterexamples to show that statements are false.