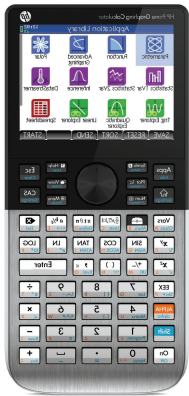


HP Prime and the Common Core



HP Prime helps align teachers with Common Core standards for Mathematical Practice



College Board Approved*

Standards for Mathematical Practice

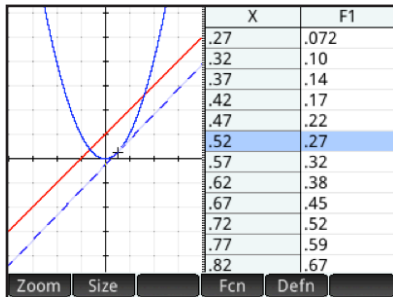
The Standards for Mathematical Practice describe varieties of expertise that mathematics educators at all levels should seek to develop in their students. These practices rest on important “processes and proficiencies” with longstanding importance in mathematics education. The first of these are the NCTM process standards of problem solving, reasoning and proof, communication, representation, and connections. The second are the strands of mathematical proficiency specified in the National Research Council’s report “Adding It Up”; adaptive reasoning, strategic competence, conceptual understanding (comprehension of mathematical concepts, operations and relations), procedural fluency (skill in carrying out procedures flexibly, accurately, efficiently and appropriately), and productive disposition (habitual inclination to see mathematics as sensible, useful, and worthwhile, coupled with a belief in diligence and one’s own efficacy)¹.

- MP1 Make sense of problems and persevere in solving them.
- MP2 Reason abstractly and quantitatively.
- MP3 Construct viable arguments and critique the reasoning of others.
- MP4 Model with mathematics.
- MP5 Use appropriate tools strategically.
- MP6 Attend to precision.
- MP7 Look for and make use of structure.
- MP8 Look for and express regularity in repeated reasoning.

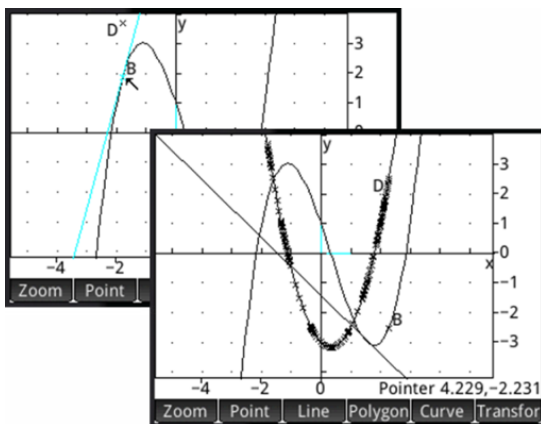
HP Prime

HP Prime helps teachers align with the Common Core standards for Mathematical Practice in a number of ways.

MP1 and MP5 - Easily switch between types of mathematical representations

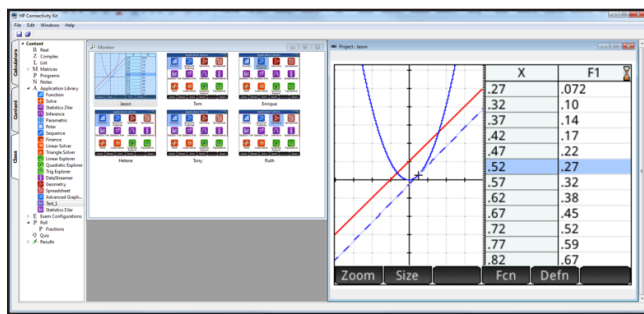
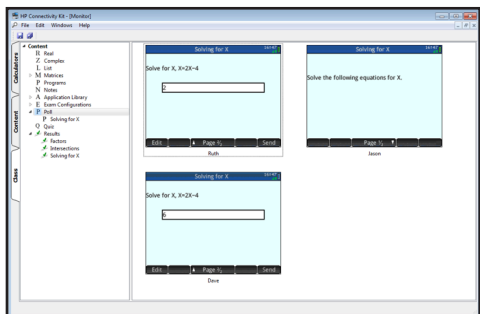


MP3 - Using technology to make conjectures and construct viable arguments



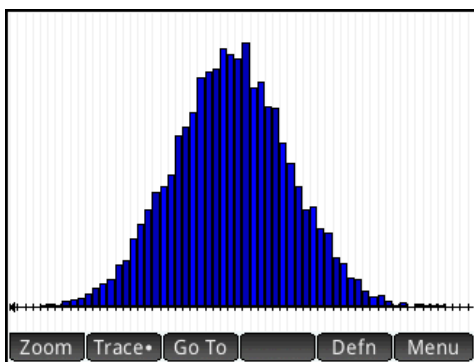
HP Wireless Connectivity

MP1 and MP3 – Enhance mathematical discourse

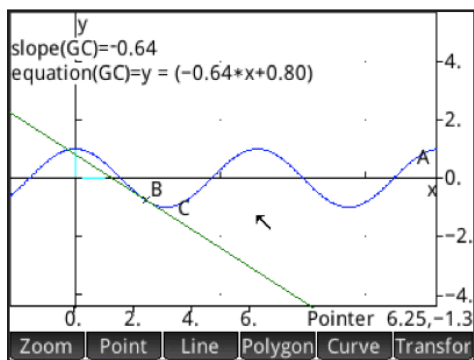


HP Prime Apps

MP7 and MP8 – Looking for structure in data, illustrate relationships graphically



MP4, MP5 and MP7 – Find interactions between objects through experimentation



Summary

HP Prime provides tools to allow math teachers to improve their overall effectiveness in alignment with the Common Core State Standards. Additionally, educators can download the HP Prime emulator for free by visiting hp.com/go/calculatoremulators.

*Permitted Exam Usage: PSAT/NMSQT®, SAT®, SAT Subject Tests™ in Mathematics, and AP® Exams in Calculus AB, Calculus BC, Statistics, Physics 1, Physics 2, Physics C (Mechanics, Electricity & Magnetism) and Chemistry**

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