## Hitting the Slopes with the TI-Nspire

Prepared by Donna Roberts, MathBits.com



Materials:	Classroom setup:
• TI-Nspire <sup>™</sup> (non-CAS)	• Students may use this activity with ONLY the
• HitTheSlope.tns	worksheet and their TI-Nspire, or
Hitting the Slopes Nspire.pdf	• Students may use this activity with BOTH the
• TI-Nspire <sup>TM</sup> Software (for editing)	worksheet and the .tns file.
	• Some familiarity with the calculator is
Level: Algebra 1	assumed

## Using the files:

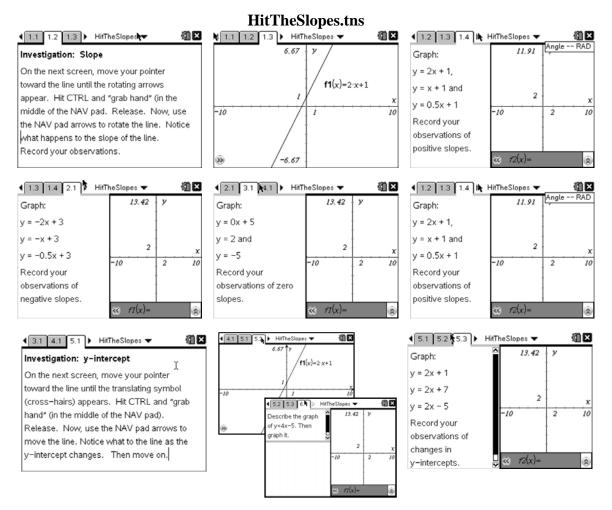
Choose which is best for your students:

1. The worksheet (*Hitting the Slopes Nspire.pdf*) may be used without the accompanying .tns file. If you feel that your students are not ready to utilize .tns files, the worksheet alone will be a good introduction to the investigative capabilities of the Nspire. It requires the students to use the TI-Nspire to investigate rotating and translating lines with basic instructions included.

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Whitting the Stopes
Discovering the relationship between slopes,
y-intercepts and graphs of straight lines.
created by

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2. The worksheet, in conjunction with the .tns file, is a more in-depth activity. Students maximize their exposure to both the concepts of slope and to the capabilities of their calculators.



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