

Using Cabri Jr.

Investigating Parallel and Perpendicular Lines

Mathematical Concepts Explored	Technology Used	Functions/Apps Utilized
<ul style="list-style-type: none">• Parallel and Perpendicular Lines• Slopes	<ul style="list-style-type: none">• TI-83/84 Plus graphing calculator• TI Navigator	<ul style="list-style-type: none">• Cabri Jr.

California Mathematics Content Standards Addressed by this Activity

Algebra

Standard 8.0 Students understand the concepts of parallel lines and perpendicular lines and how those slopes are related. Students are able to find the equation of a line perpendicular to a given line that passes through a given point.

Prerequisite skills

Algebra:

- ✓ Students should be familiar with slope
- ✓ Students should know how to find the equation of a line from the slope and any point on the line

Technology: no prerequisite

