Distance and Slope
Section 1-4

The Distance Formula (p. 30):

______________________________________________________________________________
______________________________________________________________________________

Example: Find the distance between \((2, -1)\) and \((7, 9)\).

Definition of Slope (p. 30):

______________________________________________________________________________
______________________________________________________________________________

Example: Find the slope of the line through \((2, -1)\) and \((7, 9)\).

Midpoint of a Line Segment (p. 32):

______________________________________________________________________________
______________________________________________________________________________

Example: Find the midpoint of the segment that has endpoints at \((2, -1)\) and \((7, 9)\).