

# Perpendicular and Parallel Lines 1.5

## Summary

Students will recognize perpendicular and parallel lines.

## Time Frame

1 class periods of 30 minutes each

## Materials

Students will need:

- pencil
- colored pencils or pens
- metric ruler
- protractor
- scissors

## Background for Teachers

Knowledge of perpendicular and parallel lines.

## Instructional Procedures

Notes on definitions.

Examples

Activity

Students need to take out all of the above materials.

Draw a line segment that is 9cm long. Label the endpoints A and B.

Beginning at A, draw a line segment **perpendicular** to AB that is 5 cm long. Label the endpoint C.

Beginning at B, draw a line segment **perpendicular** to AB that is 5cm long and on the same side of AB as AC. Label the endpoint D.

Draw CD.

Answer the following questions:

Which two segments are parallel?

Which segments are perpendicular?

What is the angle between AB and AC?

Is this true for all angles between the perpendicular lines?

If AB is 9cm, how long is CD?

Design your own business card in this space.

## Assessment Plan

Create your own business card and turn it in for 10 points!

Homework: pg 33-34, #5-16

## Authors

[Marcia Kloempken](#)