

# Angle Worksheet 1

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Intro to Drafting Technologies

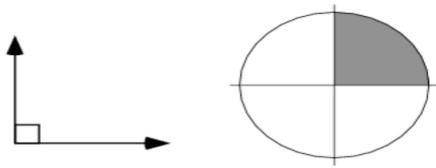
Measurement

## Introduction

An **angle** is the figure formed by two **rays** sharing a common **endpoint**, called the **vertex** of the angle. Angles provide a means of expressing the difference in **slope** between two rays meeting at a vertex without the need to explicitly define the slopes of the two rays. Angles are studied in **geometry** and **trigonometry**.

An angle of  $90^\circ$ , one-quarter of the full circle is called a **right angle**.

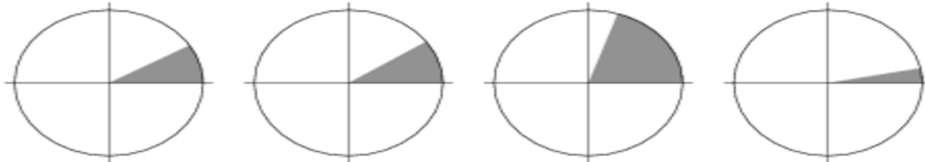
Two **line segments**, rays, or lines (or any combination) which form a right angle, are said to be either **perpendicular** or **orthogonal**:



Right Angle



Dark Shaded Area displays examples of obtuse angles



Dark Shaded Areas display examples of acute angles