title: "Introduction to 3D Space" author: "Jared Dyreson"

We can associate a point "P" with 3 coordinates (X_{o}, Y_{o}, Z_{o}) and is unique with such coordinates.

Example

$$B \to (x_o, y_o)$$
$$C \to (x_1, y_1)$$

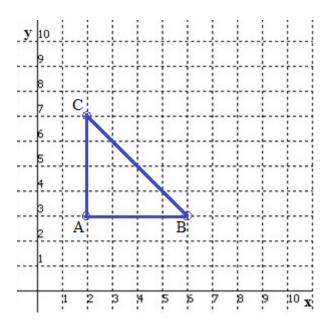


Figure 1: Two Dimension Overview

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• By the Pythagorean Theorem:

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