

# MORE ON SKETCHING



# Sketches

- Why sketch when we have cameras?
- A sketch shows the condition of the crime scene *in relation* to other items and locations without showing all the *details* that would be seen in a photograph.
- Focuses on the *main parts* of the scene

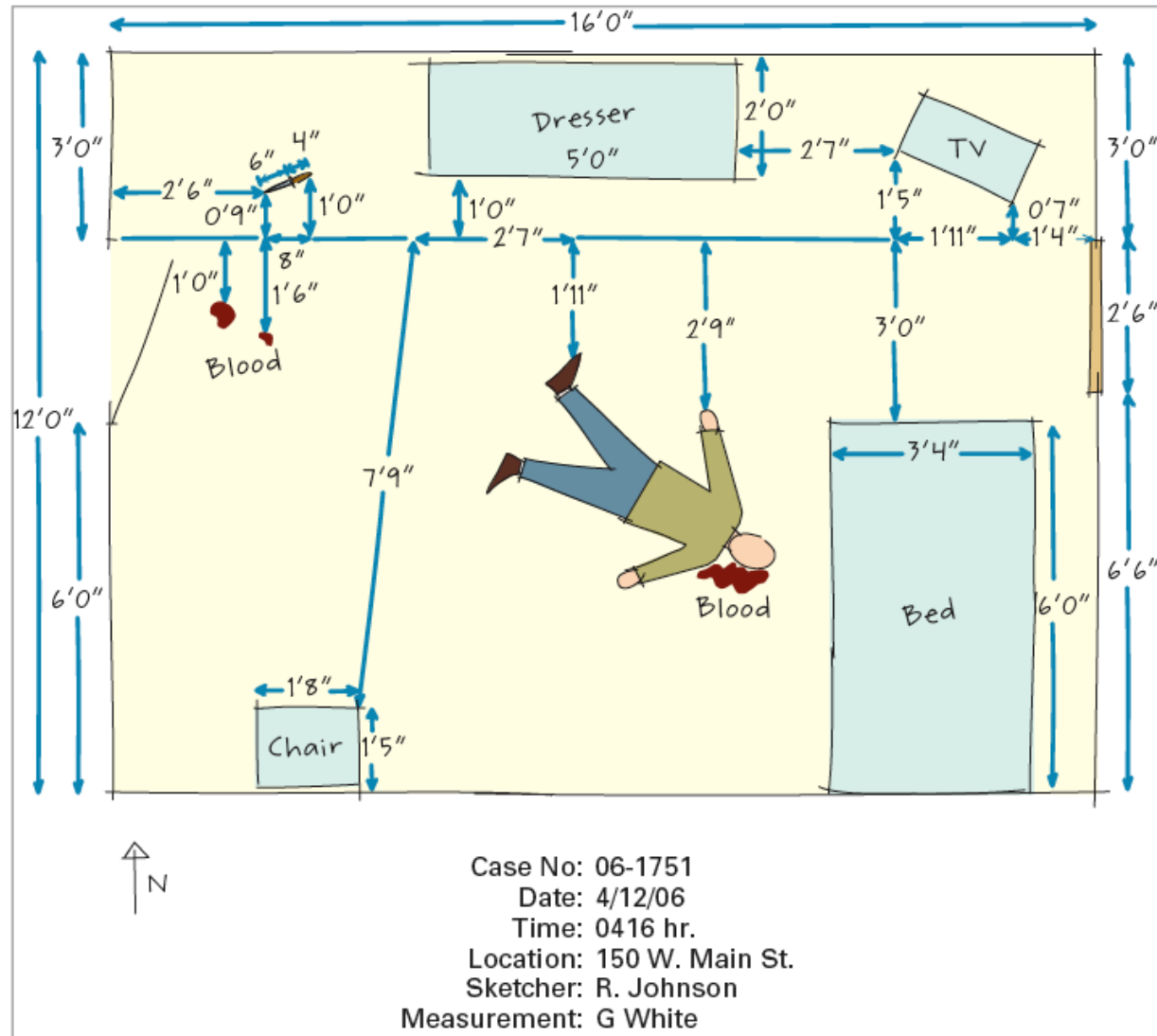


# Rough Sketches

- **Rough Sketch: A draft** representation of all essential information and **measurements** at a crime scene.
- This sketch is drawn **at** the crime scene!



# Rough Sketch

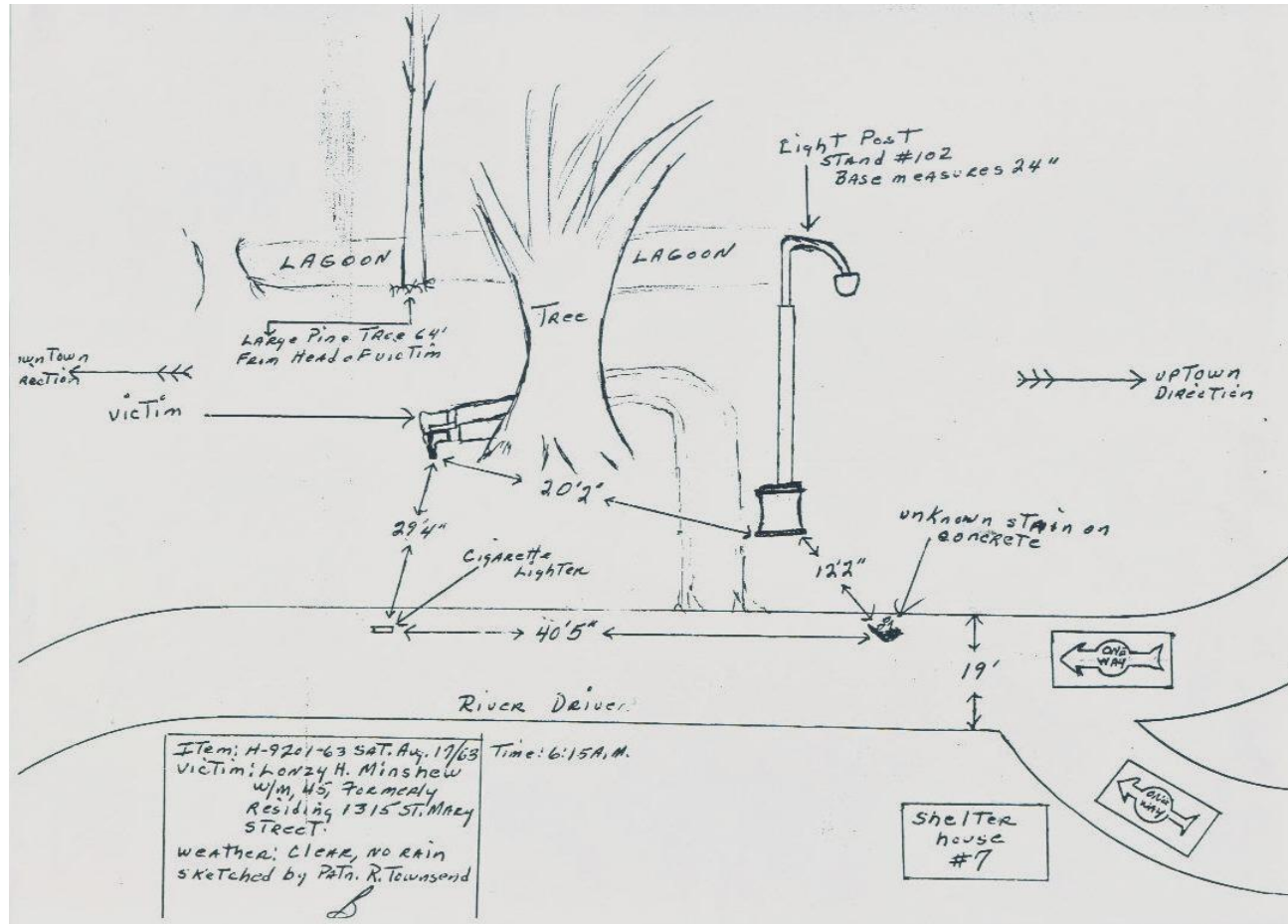


# Rough Sketches

- Drawn at the scene
- Not to *scale*, but correct measurements shown
- Includes *field* notes



# Rough Sketch

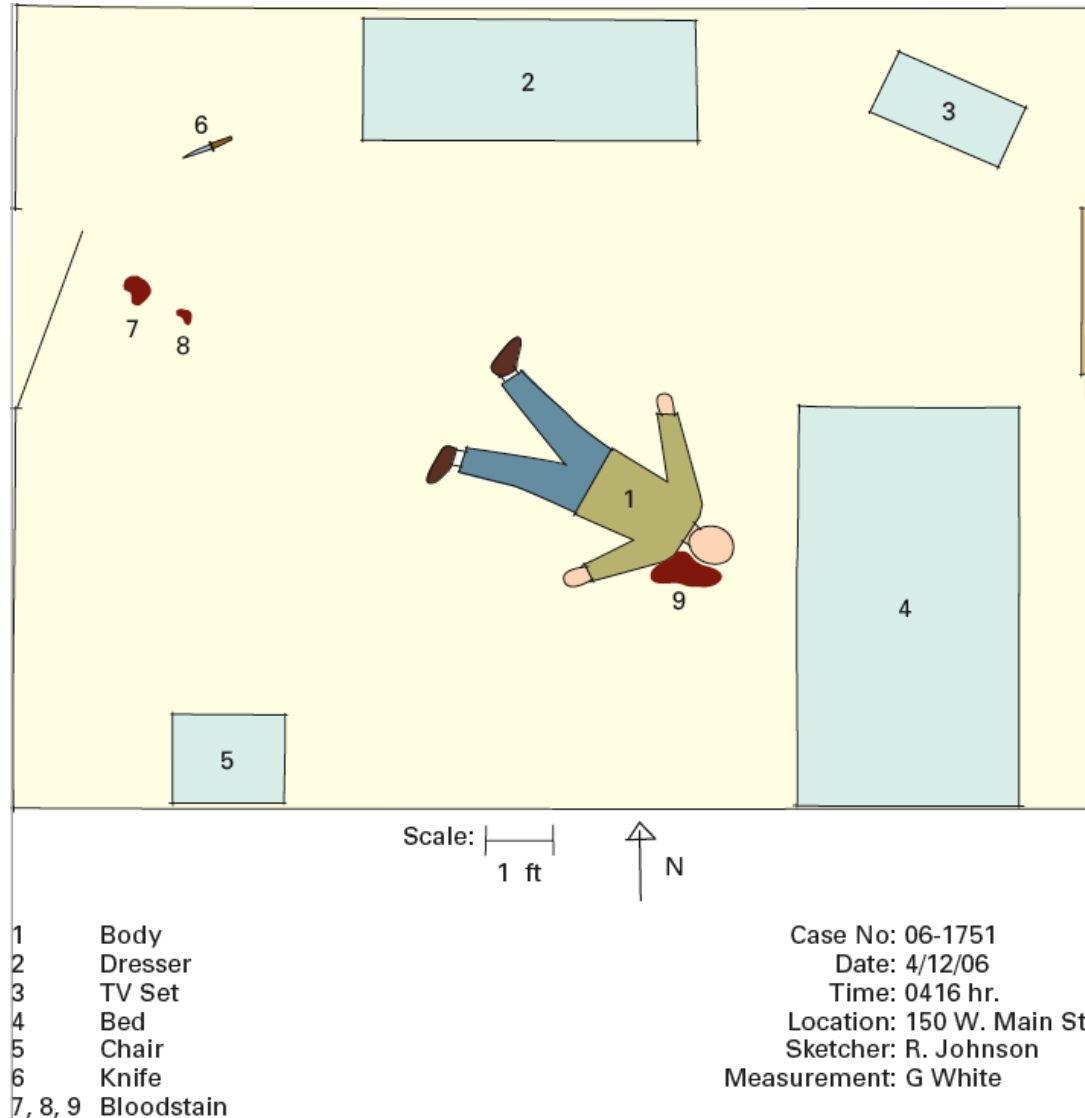


# Finished Sketches

- **Finished Sketch: A precise rendering of the crime scene**
- Drawn to scale
- Attached to written report; Larger version used in court
- Computer programs are frequently used today



# Finished Sketch





# Finished Sketch



# Info on Sketches

- Investigator's *name*
- Date, Time, Offense and *Case Number*
- Location *Address*
- “Drawn to Scale” *or* “Not Drawn to Scale”
- Drawn by
- *Compass Direction*
- *Evidence* Item Numbers
- *Legend* or Key defining symbols or numbers used



# Ex. - Info on Sketches

## Legend

Detective K.L.Rogers

Case 95-3456 Homicide

September 5, 2011 22:00 Hours

Location: 638 Walnut St.

Cary, NC 27511

Drawn by: Kristana Rogers

Not Drawn to Scale

## Key

5 = Broken Glass

7 = Red Stains

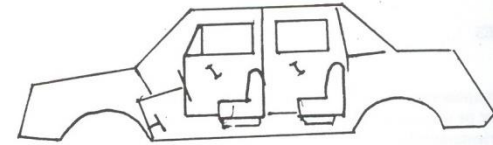
11= Cartridge Casings

↑ = NORTH



# Sketch Types

**Sectional/Cut-Away**



SECTIONAL SKETCH

**Perspective/3-D**



PERSPECTIVE SKETCH

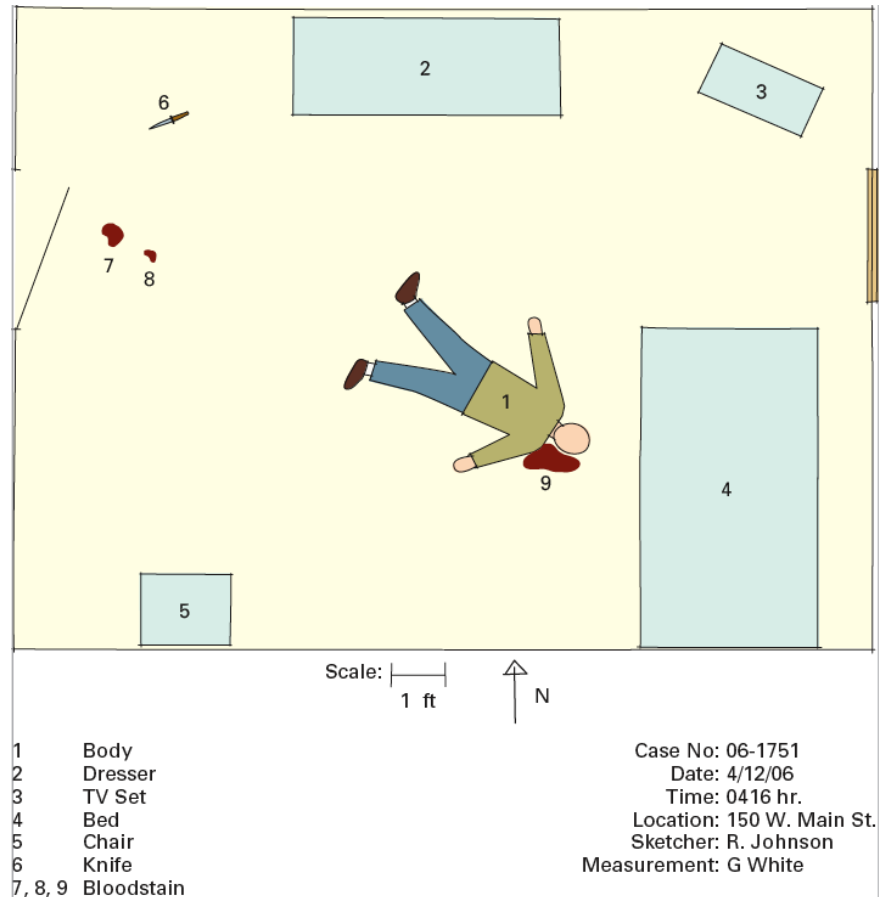
**Elevation/Terrain**



ELEVATION SKETCH

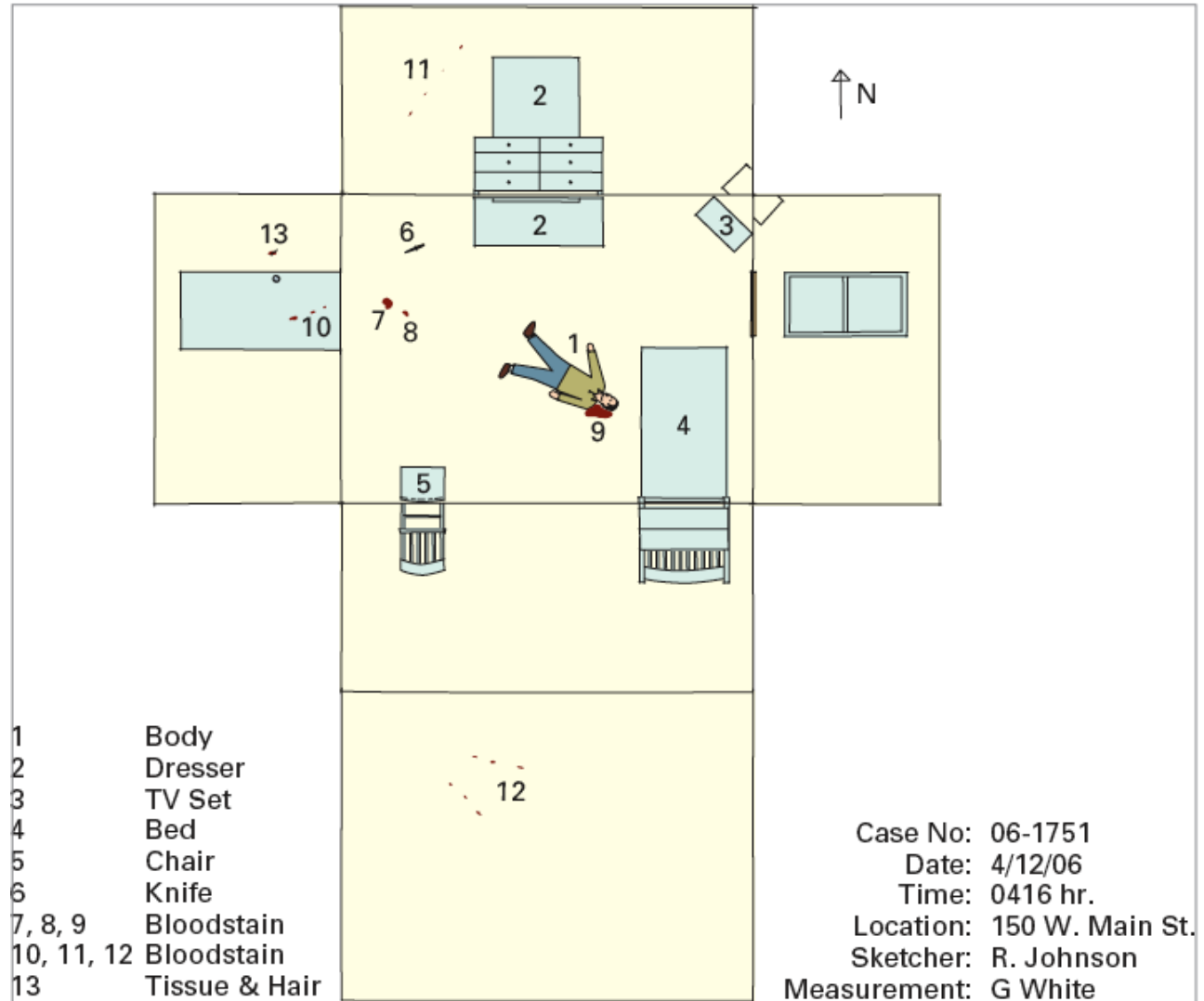
# Sketches Types

**Overview/Bird's eye view**



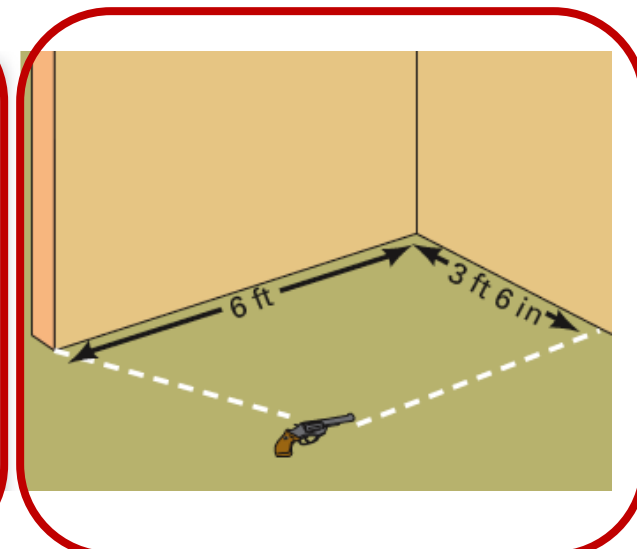
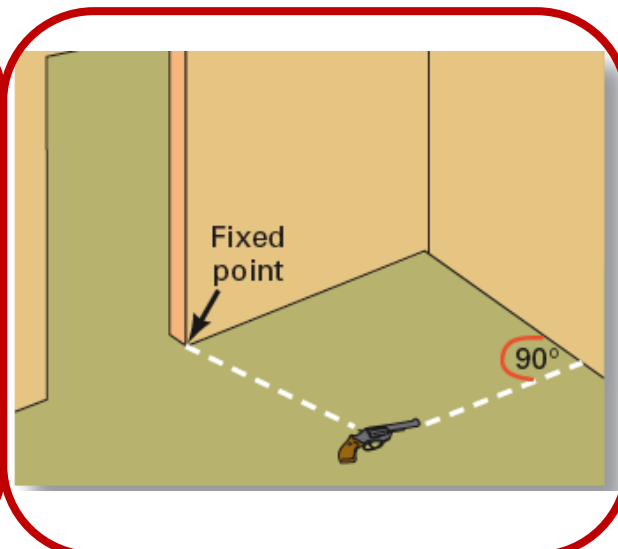
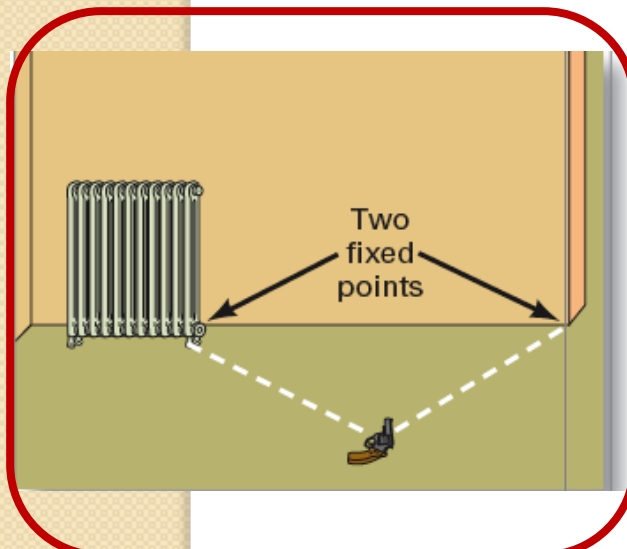
# Scene Sketches

**Exploded**



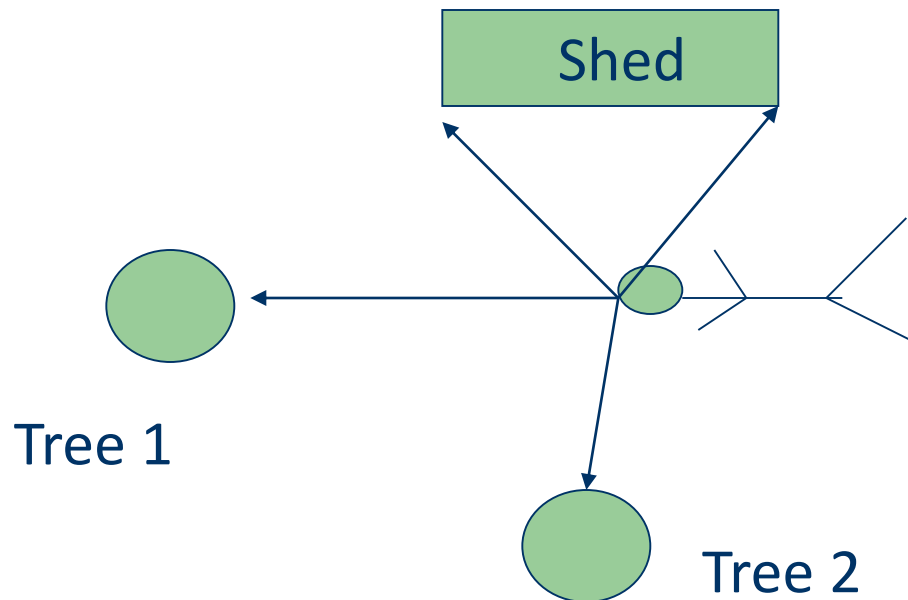
# Measurement Techniques

- Triangulation using two fixed points
- Single fixed point & a  $90^\circ$  wall
- XY axis method



# Measurement Techniques

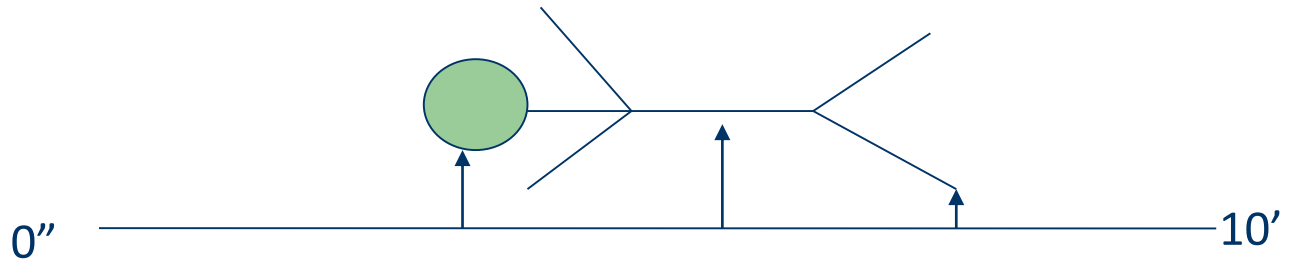
- *Triangulation*
  - 2 or more reference points (consistent) and direction





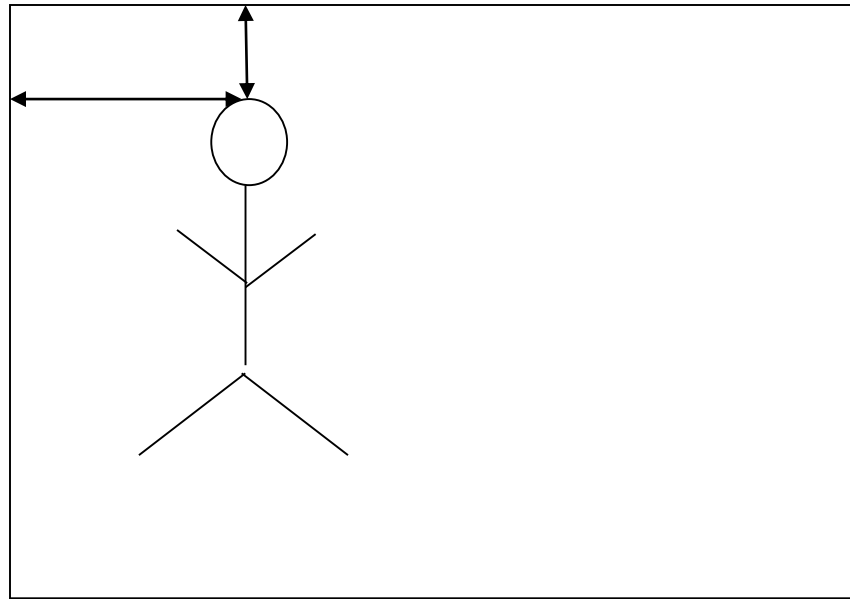
# Measurement Techniques

- ***Transect***
  - Line between 2 points and measure from the line



# Measurement Techniques

- ***Rectangular***
  - $90^\circ$  angles to a ***flat surface***



# Measurement Tools

- Rulers
- Tape Measures
- Vehicle Odometers
- Infrared, laser, sonic rulers
- Geographic Positioning Systems (GPS)