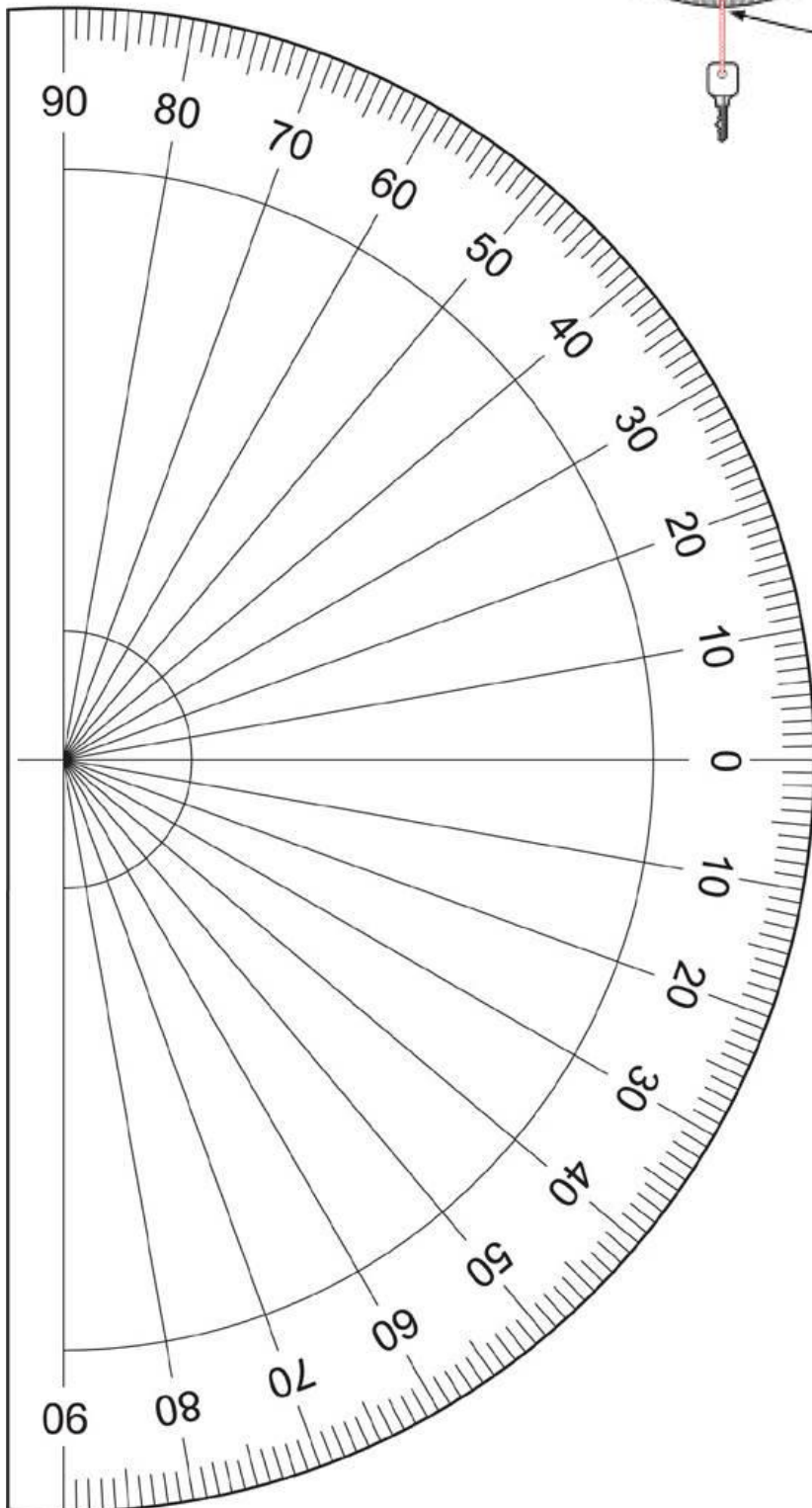
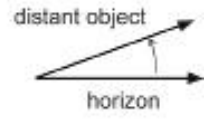
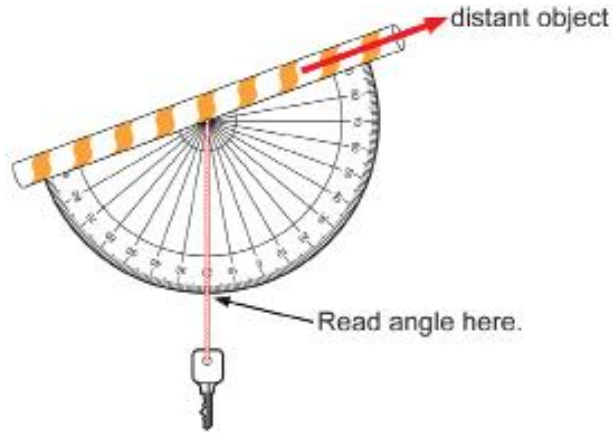


Indirect Measurement

Build a Clinometer

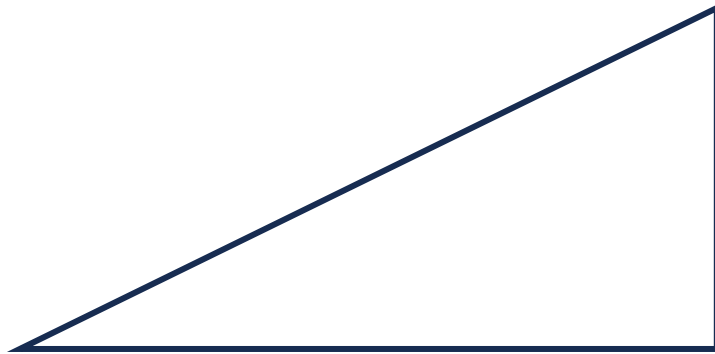


Indirect Measurement

You will need a Clinometer & a Tape Measure

1. To determine the height of a **basketball hoop**.

- a) Measure your distance from the basketball.
- b) Measure the angle of elevation to the top of the basketball hoop.
- c) Label the right triangle.
- d) Calculate the height.



2. To determine the height of a **light standard**.

- a) Measure your distance from the base.
- b) Measure the angle of elevation to the top.
- c) Draw and label the right triangle.
- d) Calculate the height.

3. Determine the height of a **tree**.

- a) Measure your distance from the base.
- b) Measure the angle of elevation to the top.
- c) Draw and label the right triangle.
- d) Calculate the height.

4. Determine the height of the **school roof**.

- a) Measure your distance from the building.
- b) Measure the angle of elevation to the roofline.
- c) Draw and label the right triangle.
- d) Calculate the height.

5. Determine the height of the **totem pole**.

- a) Measure your distance from the base.
- b) Measure the angle of elevation to the top.
- c) Draw and label the right triangle.
- d) Calculate the height.