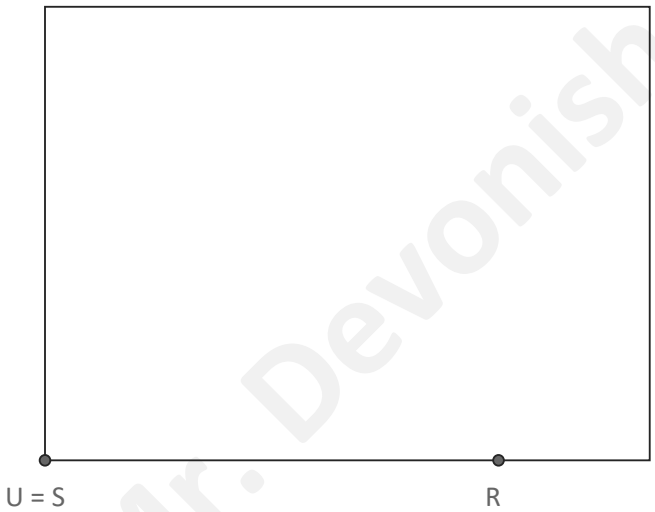
Ruler-and-compass practice

Physical construction | Print at 100% | Calibrate the base

Two-condition lamp construction

Print at Actual size / 100%. Do not use Fit to page. Verify the 6 cm segment with a ruler before constructing.

Using ruler and compass, construct a point L inside the field so LU = LR and the ray SL makes 30° above SR. First name both loci. Preserve arcs, then check both conditions independently.



Mr. Devonish

Explanation: why does each locus enforce its condition? _____

Check: LU = _____ cm; LR = _____ cm; angle LSR = _____ degrees.

Ruler-and-compass practice

Physical construction | Print at 100% | Calibrate the base

SSS triangle construction

Use the printed base AB = 6 cm. Construct C above AB with AC = 5 cm and BC = 7 cm. Keep both compass arcs and label the final triangle. Measure angle ACB after construction.



AB = 6 cm

Mr. Devonish

Circle centres: _____ Radius from A: _____ cm Radius from B: _____ cm

Why do the intersecting arcs locate C? _____

Measure angle ACB to the nearest degree: _____. Is the reflected point below AB allowed by this instruction? Explain.