

Geometry (H)

Worksheet: Constructions and Loci

Quick Review:

Equilateral triangle:

Congruent segments:

Congruent angles:

Bisect:

Parallel lines:

Perpendicular lines:

Describe (verbally) how to bisect a segment:

Describe (verbally) how to bisect an angle:

Describe (verbally) how to construct a line perpendicular to a line through a point on the line:

Locus:

Example 1: The electric company is going to install a safety light in your yard. The pole must meet the following conditions: 1) it must be 20 feet from a front corner of your house and 2) it must be 20 feet from the street. Locate the possible installation sites of the pole on the figure below.

