

Roof Truss Evaluation

Students: _____

Criteria	Level 1 Limited Success (50% - 59%)	Level 2 Some Success (60% - 69%)	Level 3 Mostly Successful (70% - 79%)	Level 4 Highly Successful (80% - 100%)	Value
Dimensions and Slope	Height, width and pitch are off by more than 1/2"	Height, width and pitch are accurate to within 1/2" of specification	Height, width and pitch are accurate to within 1/4" of specification	Height, width and pitch are accurate to within 1/8" of specification	/8
Truss Design	Truss does not resemble either Fink or Howe	Truss design is asymmetrical	Either Howe (M) truss or Fink (W) truss design is used.	Truss design is symmetrical and balanced	/6
Web Construction	Braces are sloppy, off-centre, angles don't match	Braces are poorly fitted or not centred.	Web construction is accurate, congruent, and well fitted.	Very accurate and precise installation of web braces.	/12
Gussets	Not all joints have gussets.	Gussets are too large or too small	All joints strengthened by gussets of proper size	Gussets uniform in size, shape	/4
Comments					/30