2023 Tennessee Top Bean Soybean Yield Contest
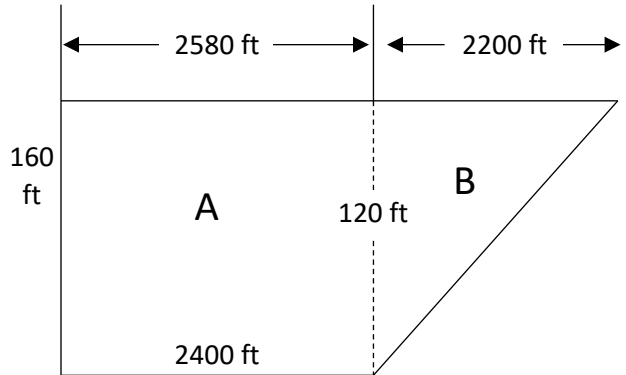
Contestants Name: _____   Date: _____

Farm Name: _____   County: _____

Draw a Diagram of the Soybean Field & Harvested Area. <u>Include all measurements of the harvested area</u>.
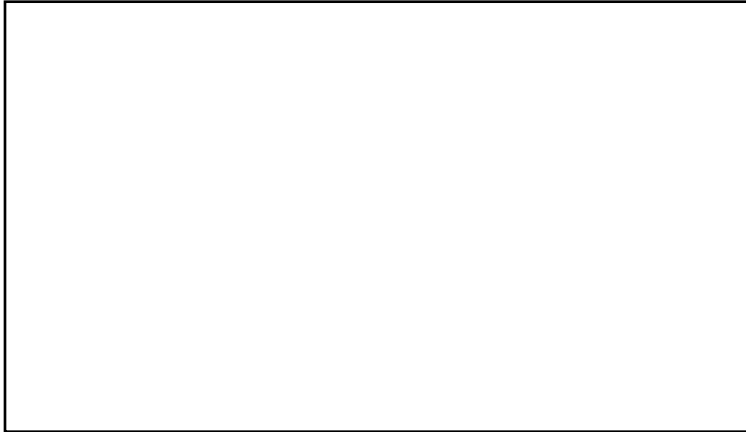
Example:

Measure all sides of the harvest area with a measuring wheel, a steel tape or fiberglass tape. Rowed beans are measured from the middle of the outside row spaces. Calculation of harvested area should be accomplished by breaking harvested area into the largest rectangle possible and calculating the rest of the areas as triangles.

CALCULATION OF YIELD

Area of Rectangles:

_____Section _____ Length (ft)   x _____ Width (ft)   = _____ft^2

_____Section _____ Length (ft)   x _____ Width (ft)   = _____ft^2

Area of Triangles:

_____Section _____ Height (ft)   x _____ Width (ft)   x 0.5   = _____ft^2

_____Section _____ Height (ft)   x _____ Width (ft)   x 0.5   = _____ft^2

Total Area:

_____ Total ft^2 ÷   43,560 ft^2 = _____ Acres
3 decimals

CALCULATION OF YIELD

Area of Rectangles:

__A__ Section $\frac{2580+2400}{2}$ Length (ft)   x $\frac{160+120}{2}$ Width (ft)   = _____ 348,600 ft^2

Area of Triangles:

__B__ Section ___120___ Height (ft)   x __2200__ Width (ft)   x 0.5   = _____ 132,000 ft^2

Total Area:

_____480,600_____ Total ft^2 ÷   43,560 ft^2 = _____ 11.033 Acres   (3 decimals)