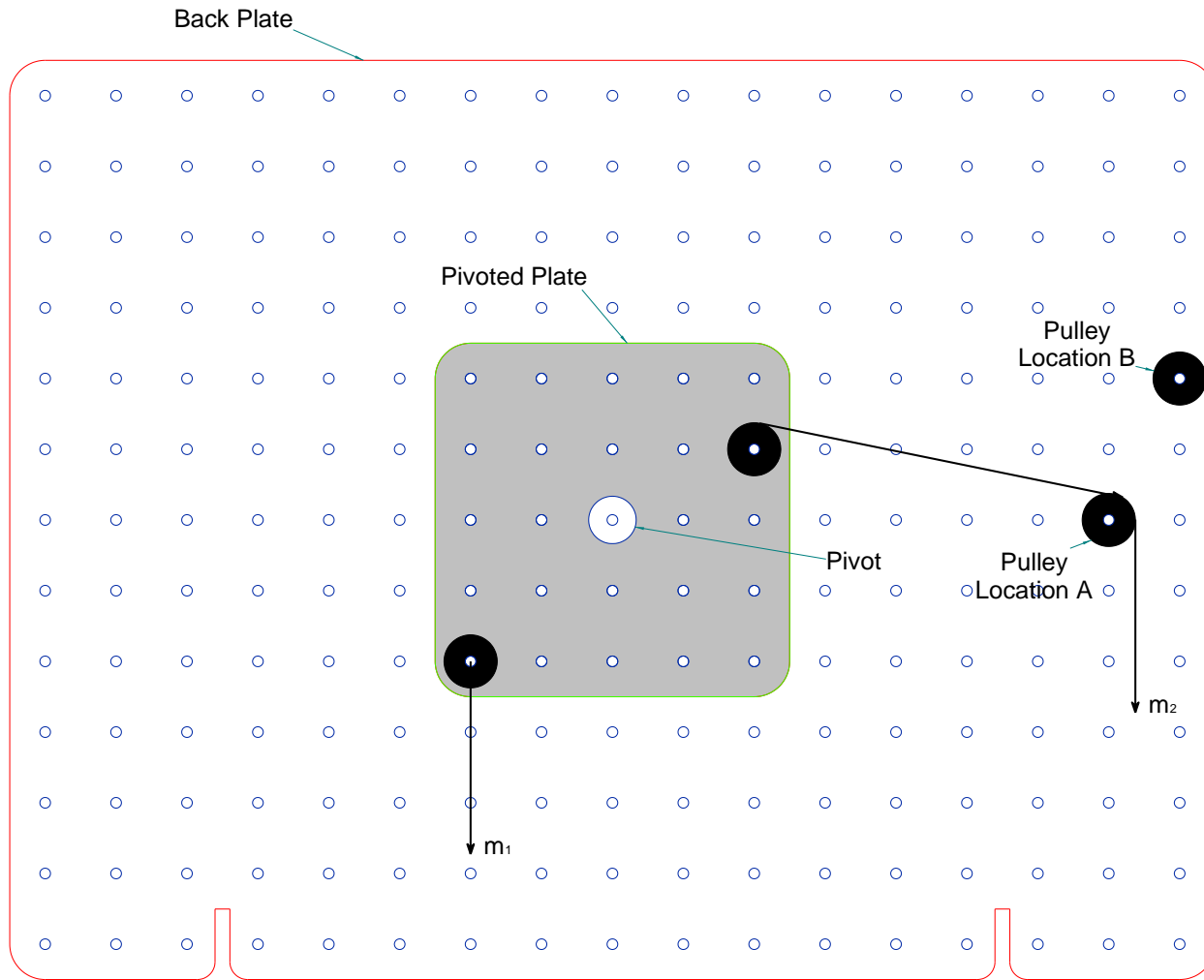# Individual Moment Visualization Challenge – Pulley A

Draw moment arm on figure below and calculate appropriate weight m_2 to keep plate horizontal. Figure is drawn to-scale so measurements can be made off of the figure to calculate moment arms. Assume m_1 is given and that friction can be neglected.

Back Plate

Pivoted Plate

Pulley Location B

Pivot

Pulley Location A

m_2

m_1

Individual Moment Visualization Challenge – Pulley B

Draw moment arm on figure below and calculate appropriate weight m_2 to keep plate horizontal. Figure is drawn to-scale so measurements can be made off of the figure to calculate moment arms. Assume m_1 is given and that friction can be neglected.

Back Plate

Pivoted Plate

Pulley
Location B

Pivot

Pulley
Location A

m_2

m_1