### 1.4 Optimize Perimeter and Area

Investigate: What is the maximum rectangular area for a given perimeter?
Complete Pg 36-37 \# 1-5, Pg. 38 \# 1 - 4
Part A: Enclose Four Sides \# 1

| Sketch | Length (m) | Width (m) | Perimeter (m) | Area (m ${ }^{2}$ ) |
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Part B: Enclose Three Sides

| Sketch | Length (ft) | Width (ft) | Perimeter (ft) | Area (ft ${ }^{2}$ ) |
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