

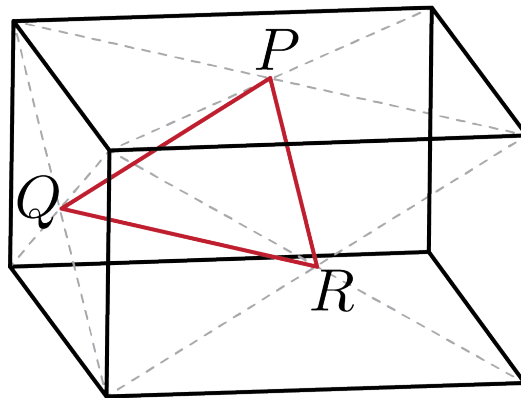


Problem of the Week

Problem E

I Want More Volume

A rectangular prism is placed on a table. Points P , Q , and R lie on three different faces of the prism with P on the top face and Q and R on two adjacent side faces. Each point is located where the diagonals of the particular face intersect. Connecting these three points gives us $\triangle PQR$.



If $PQ = 4$ cm, $QR = 5$ cm, and $RP = 6$ cm, determine the volume of the rectangular prism.

