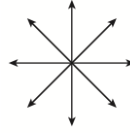


1) \overline{QS} bisects $\angle PQR$, $m\angle PQR = (x^2)^\circ$, and $m\angle PQS = (2x + 6)^\circ$. Find all the measures for $\angle PQR$.

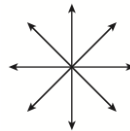
2) How many pairs of vertical angles are in the diagram below?



3) The supplement of an angle is 36° less than twice the supplement of the complement of the angle. Find the measure of the supplement.

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5) Find two points on the y-axis that are a distance of 5 units from (4, 2).

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