

Example 2:

a. Name all segments that are parallel to \overline{RS} .

$\overline{PQ}, \overline{XW}, \overline{ZY}$

b. Name all segments that are perpendicular to \overline{RS} .

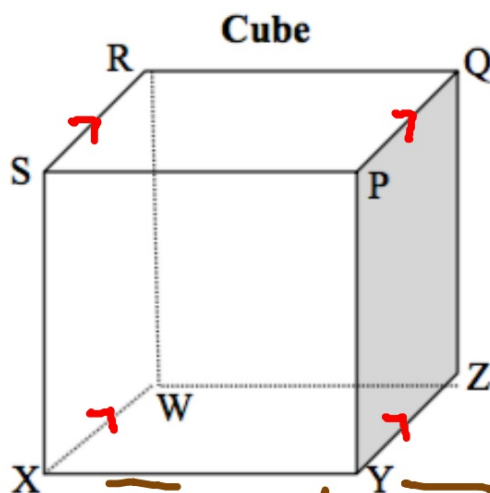
$\overline{SX}, \overline{RW}, \overline{RQ}, \overline{SP}$

c. Name all segments that parallel to plane QZY.

$\overline{SX}, \overline{RW}, \overline{RS}, \overline{XW}$

d. Name all segments that are perpendicular to plane QZY.

$\overline{QR}, \overline{XY}, \overline{ZW}, \overline{PS}$



$\neq \overline{SR}$ and \overline{XY}
are skew.

Summary: \parallel lines never intersect, but go in same direction. \perp lines intersect at a right \angle .