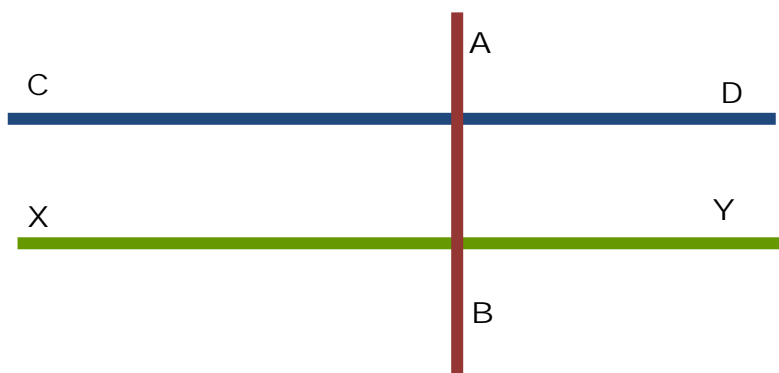


## What's the Difference between Parallel and Perpendicular Lines? Lesson



Directions: a) Name two lines that are perpendicular.

b) Name two lines that are parallel.

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Solution:

a) Perpendicular lines are lines that meet at a  $90^\circ$  angle. We can infer, based on the drawing, that line AB meets at a  $90^\circ$  angle with both line CD and line XY.

We can write it as:  $\overline{AB} \perp \overline{CD}$  and  $\overline{AB} \perp \overline{XY}$

b) Parallel lines are lines that will never meet (intersect). Quick way to spot this is to look for two lines that are set in same orientation and are not slanted towards each other.

We can easily see that line AB and line XY are parallel.

We can write it as:  $\overline{CD} \parallel \overline{XY}$

