Lines,
Line Segments,
Rays

Line

Line- a straight path that goes in
two directions without ending.
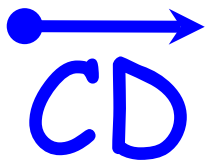

$$\overleftrightarrow{AB}$$

Read: "Line AB"
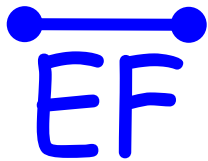
Ray

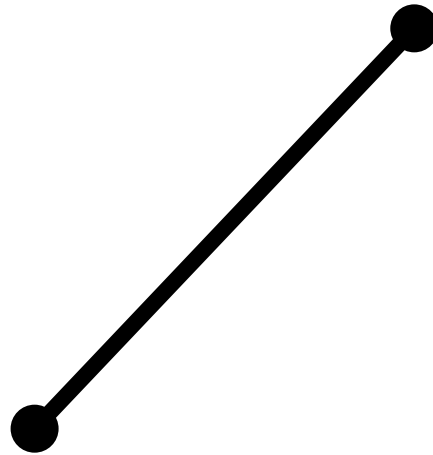A ray has one end point and goes on forever in only one direction.

C   D

$$\overrightarrow{CD}$$

Read: "Ray CD"

Line Segment

A line segment has two endpoints.

E •————————————————————• F

$\overline{EF}$
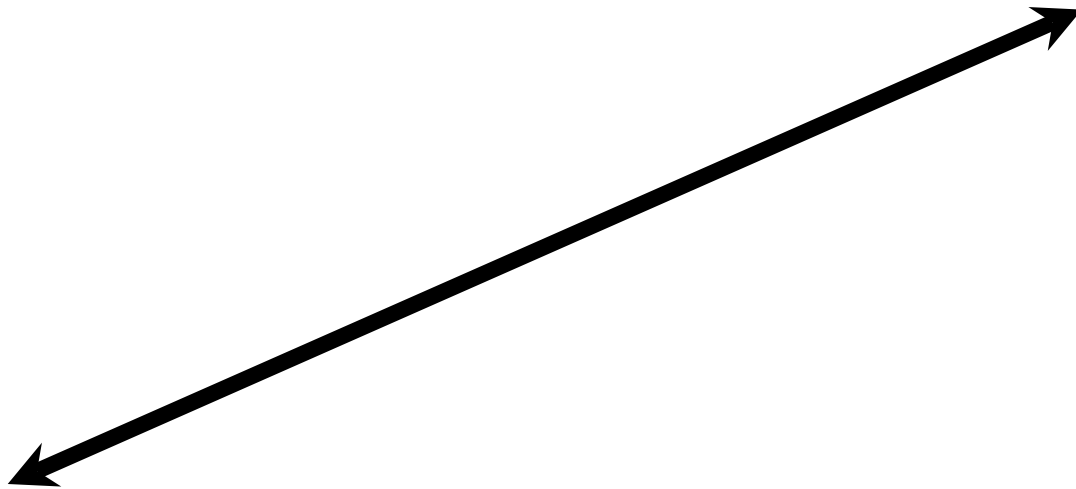
Read:
"Line Segment EF"

Your Turn!

Identify the type of line: line, ray, or line segment.

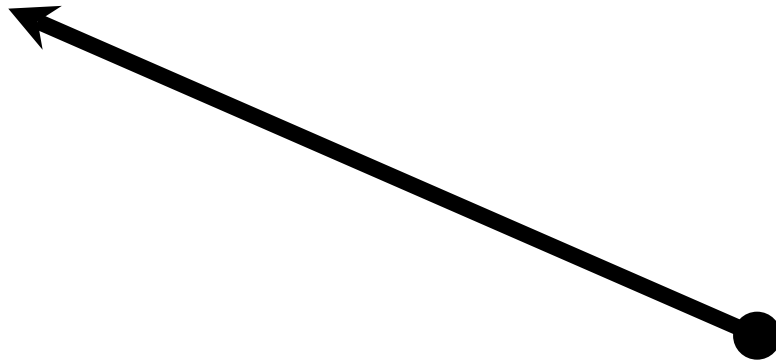Line Segment

Your Turn!

Identify the type of line: line, ray, or line segment.

Line

Your Turn!

Identify the type of line: line, ray, or line segment.
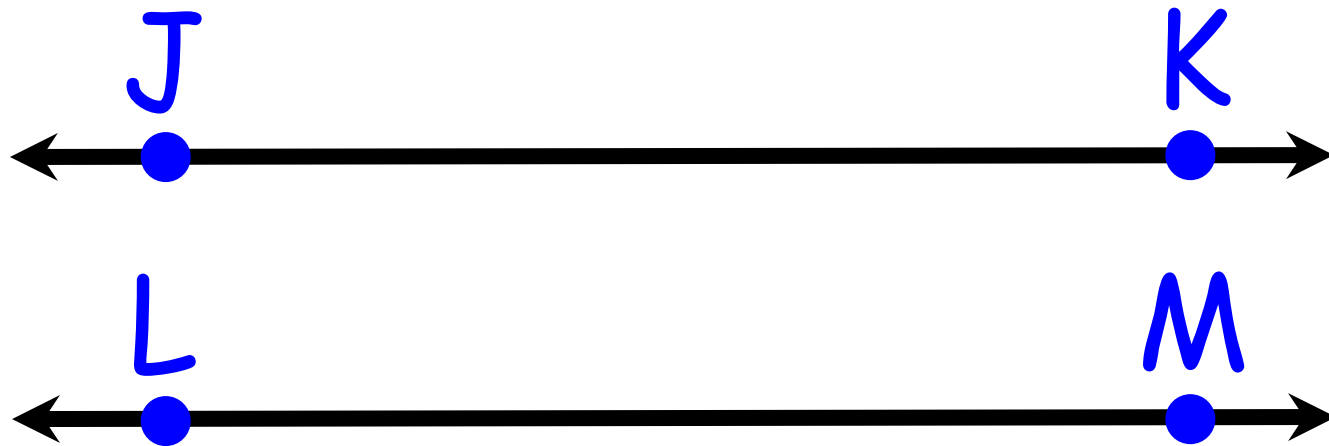

Ray

Your Turn!

Identify the type of line: line, ray, or line segment.

Line

Your Turn!

Identify the type of line: line, ray, or line segment.

Ray

Your Turn!

Identify the type of line: line, ray, or line segment.

Line Segment

Parallel Lines

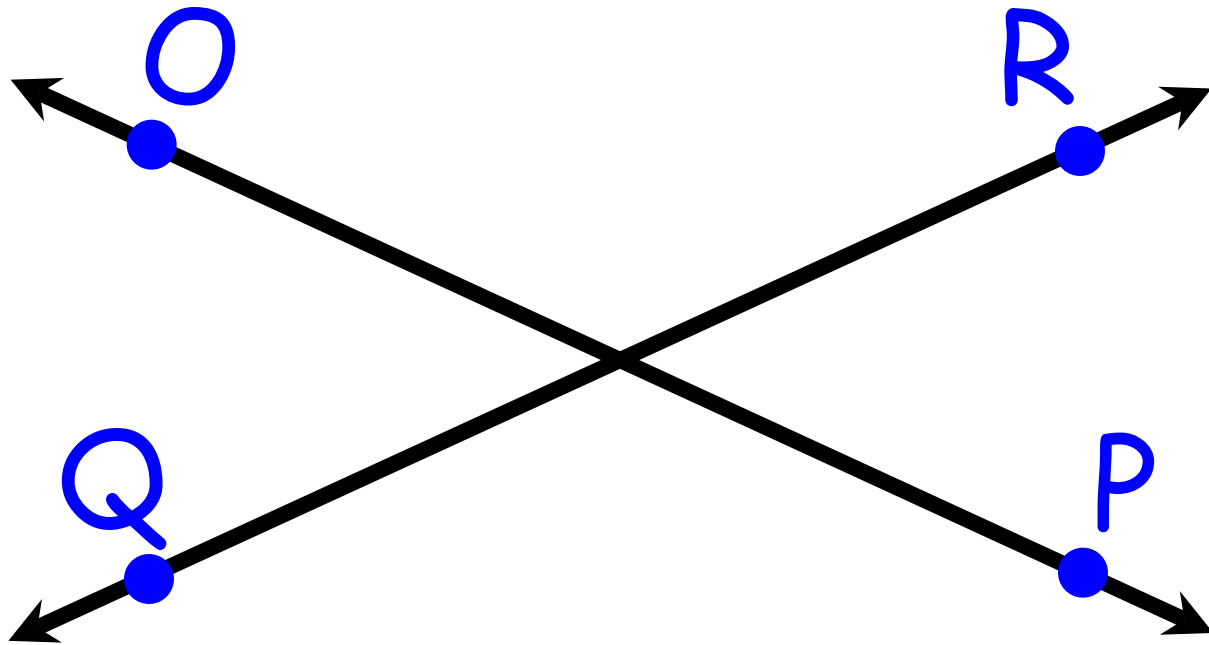Parallel Lines- lines that never cross or become further apart from each other.

$$\overleftrightarrow{JK} \parallel \overleftrightarrow{LM}$$

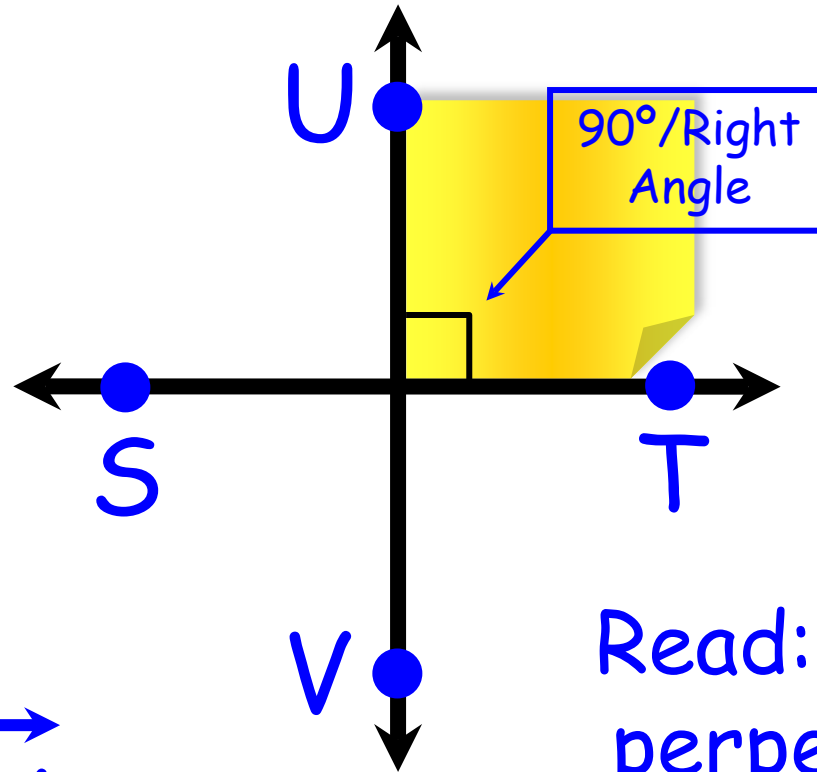Read: "Line JK is parallel to line LM"

Intersecting Lines

Intersecting Lines- lines that cross each other.

$\overleftrightarrow{OP}$ intersects $\overleftrightarrow{QR}$

Perpendicular Lines

Perpendicular Lines- lines that cross or meet each other to form square corners (90° angle).

U

90°/Right Angle

S   T

V
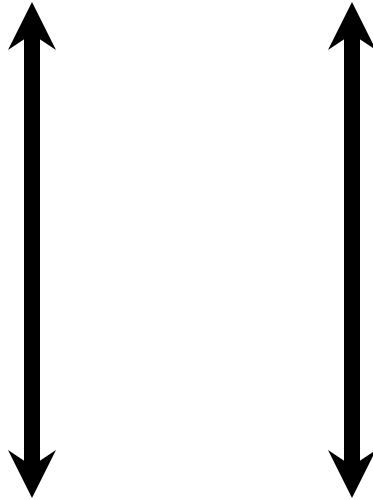
$\overleftrightarrow{ST} \perp \overleftrightarrow{UV}$

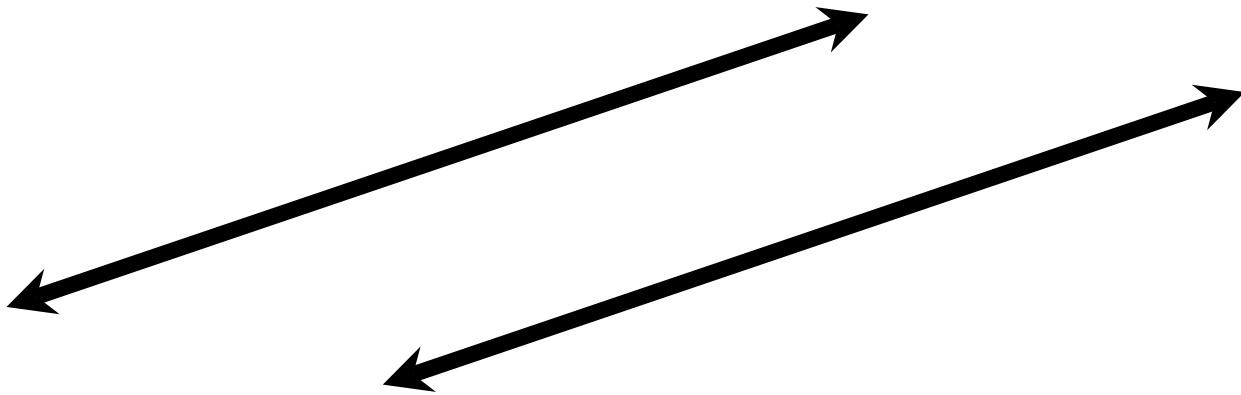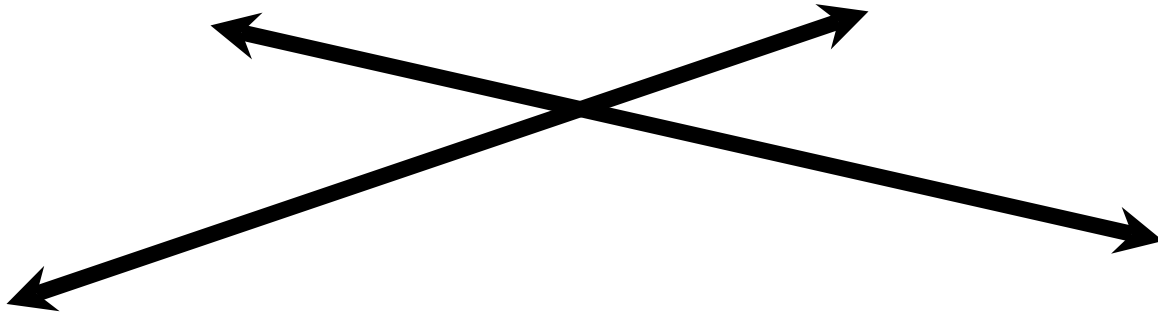Read: "Line ST is perpendicular to line UV"

Your Turn!

Identify if the lines are parallel, perpendicular, or intersecting (not at a perpendicular angle).

Parallel

Your Turn!

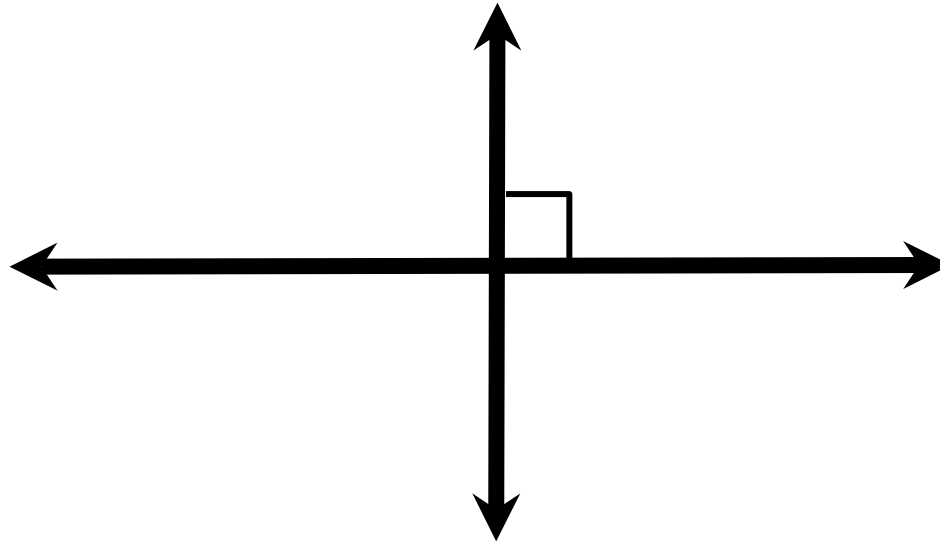Identify if the lines are parallel, perpendicular, or intersecting (not at a perpendicular angle).

Parallel

Your Turn!

Identify if the lines are parallel, perpendicular, or intersecting (not at a perpendicular angle).

Intersecting

Your Turn!

Identify if the lines are parallel, perpendicular, or intersecting (not at a perpendicular angle).

Perpendicular

Your Turn!

Identify if the lines are parallel, perpendicular, or intersecting (not at a perpendicular angle).

Parallel

Your Turn!

Identify if the lines are parallel, perpendicular, or intersecting (not at a perpendicular angle).
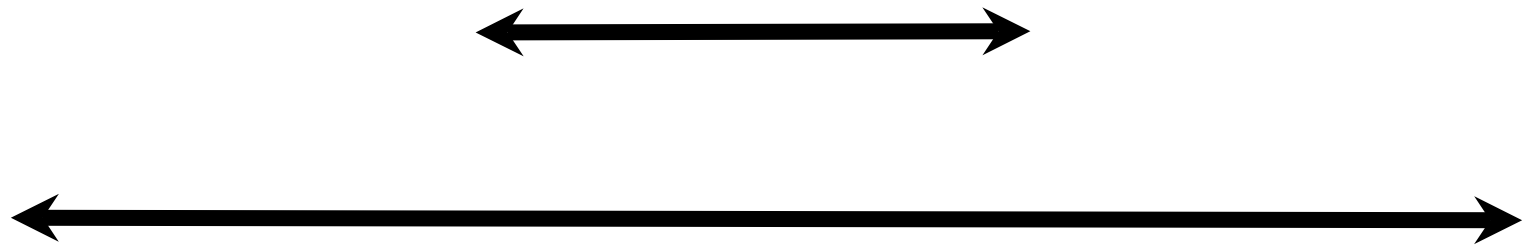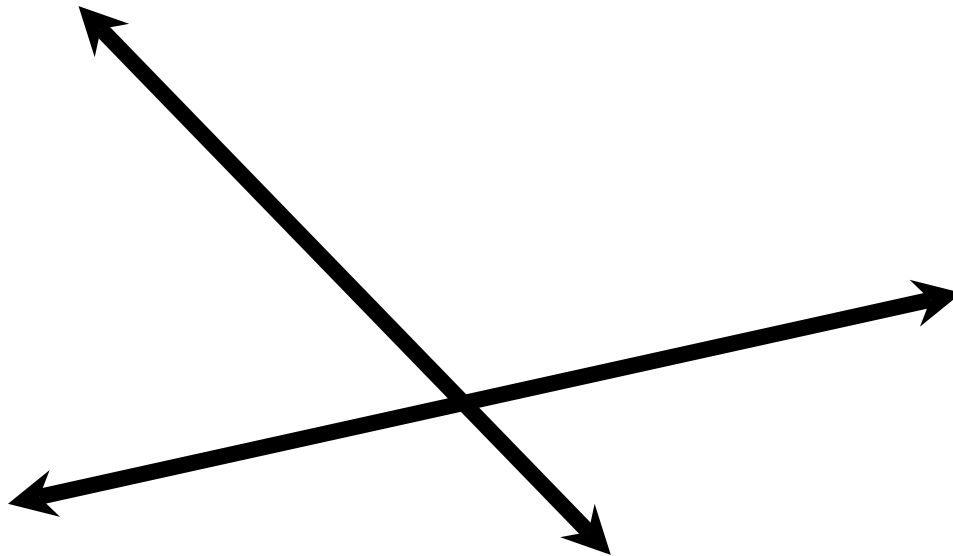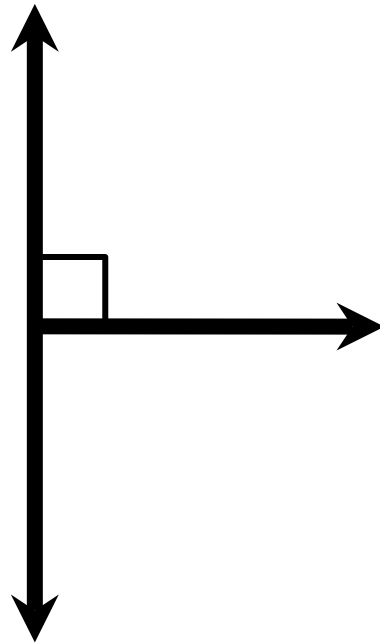

Intersecting

Your Turn!

Identify if the lines are parallel, perpendicular, or intersecting (not at a perpendicular angle).

Perpendicular