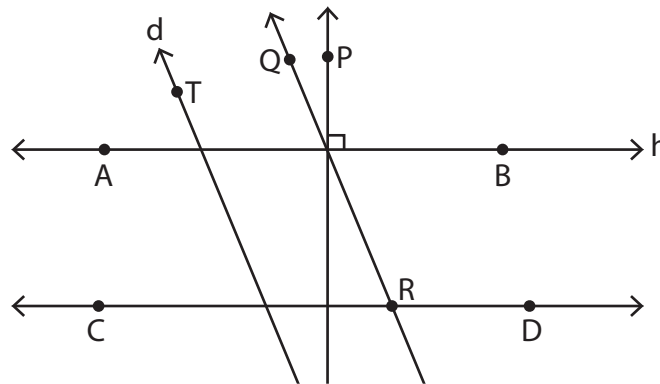


# Parallel, Perpendicular and Intersecting Lines

Read the figure and answer the questions.



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1) Are the lines PS and AB parallel? \_\_\_\_\_

2) Is  $\overleftrightarrow{ST}$  perpendicular to line AB? \_\_\_\_\_

3) Name the line that is perpendicular to line PS? \_\_\_\_\_

4) How many lines intersect  $\overleftrightarrow{AB}$ ? \_\_\_\_\_

5) Which of the following are parallel?

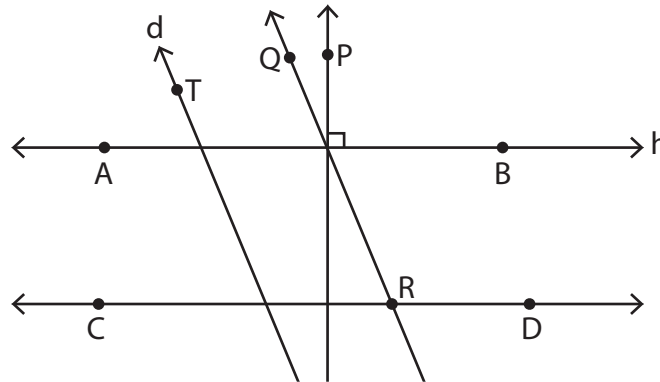
a)  $\overleftrightarrow{AB}$  and  $\overleftrightarrow{CD}$

b)  $\overleftrightarrow{TS}$  and  $\overleftrightarrow{AB}$

c)  $\overleftrightarrow{CD}$  and  $\overleftrightarrow{PS}$

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1) Are the lines PS and QR parallel?

**Yes. The lines are parallel.**

2) Is  $\overleftrightarrow{ST}$  perpendicular to  $\overleftrightarrow{AB}$ ?

**No**

3) Name the line that is perpendicular to  $\overleftrightarrow{AB}$ .

**Line k (or  $\overleftrightarrow{PQ}$ )**

4) How many lines intersect  $\overleftrightarrow{AB}$ ?

**Three lines**

5) Which of the following are parallel?

a)  $\overleftrightarrow{AB}$  and  $\overleftrightarrow{CD}$

b)  $\overleftrightarrow{TS}$  and  $\overleftrightarrow{AB}$

c)  $\overleftrightarrow{CD}$  and  $\overleftrightarrow{PS}$