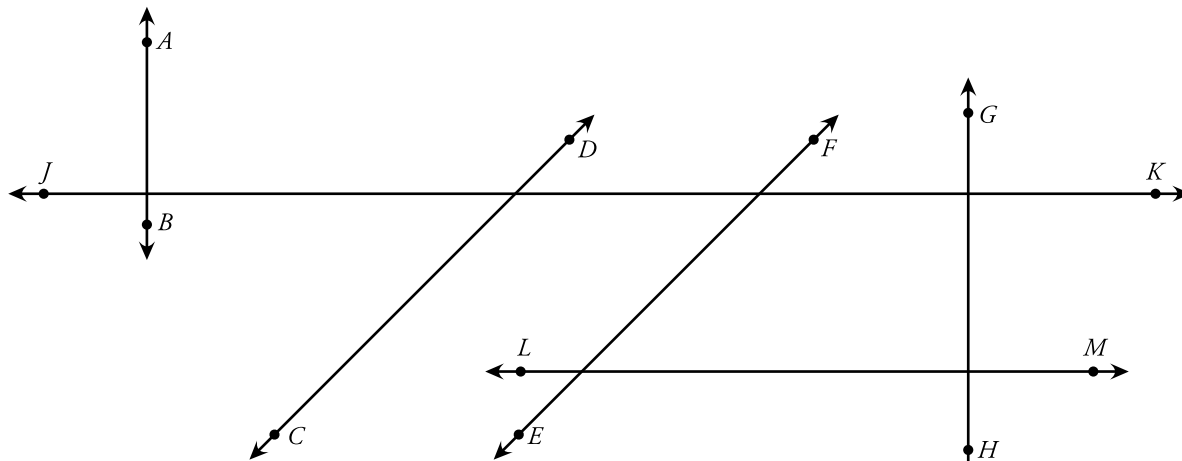


Name: _____

Parallel, Intersecting, and Perpendicular Lines



Preview

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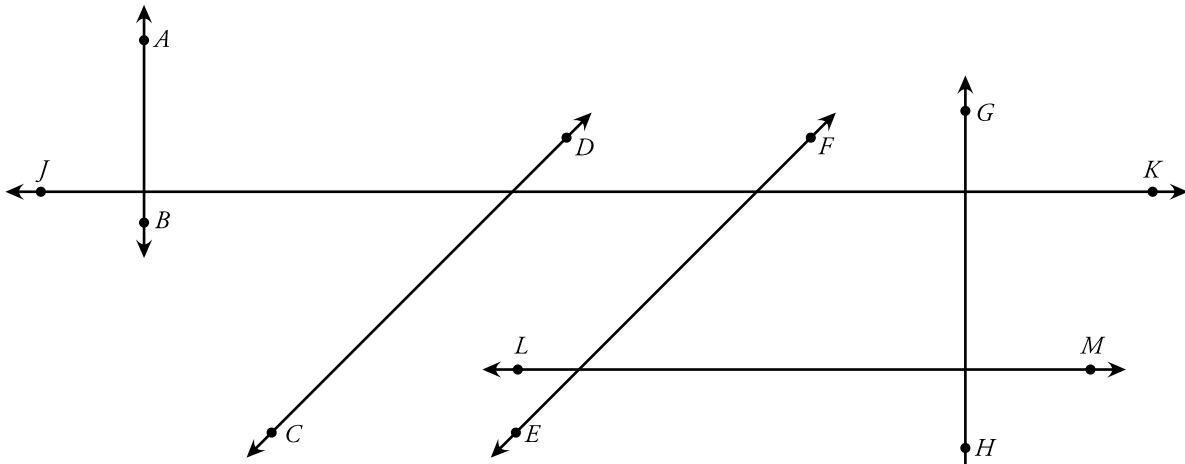
4. How many lines are parallel to \overleftrightarrow{EF} ? _____

5. Does \overleftrightarrow{CD} intersect \overleftrightarrow{GH} ? Explain.

6. Is \overleftrightarrow{JK} perpendicular to \overleftrightarrow{EF} ? Explain.

ANSWER KEY

Parallel, Intersecting, and Perpendicular Lines



Preview

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4. How many lines are parallel to \overleftrightarrow{EF} ?

one (\overleftrightarrow{CD})

5. Does \overleftrightarrow{CD} intersect \overleftrightarrow{GH} ? Explain.

Yes. Because both lines \overleftrightarrow{CD} and \overleftrightarrow{GH} continue on in both directions forever, they will

eventually intersect. Using a ruler to continue the lines will show this.

6. Is \overleftrightarrow{JK} perpendicular to \overleftrightarrow{EF} ? Explain.

No. Line \overleftrightarrow{JK} would need to intersect line \overleftrightarrow{EF} at a right angle for them to be perpendicular.