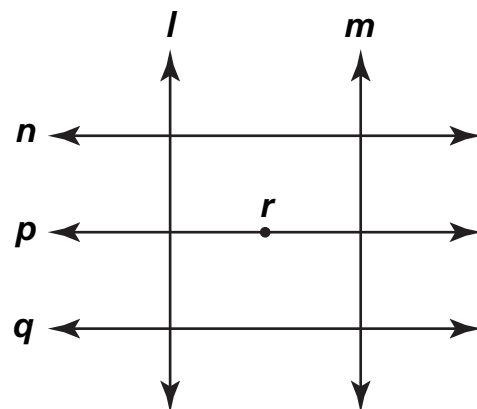


# Introducing Perpendicular and Parallel Lines

For 1–5, use the figure. Write *true* or *false*, and explain how you decided. You may want to try additional examples on your own.



- 1 If two lines are each parallel to a third line, then they are parallel to each other.

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- 2 If two lines are perpendicular to a third line, then they are perpendicular to each other.

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- 3 If two lines are perpendicular to a third line, then they are parallel to each other.

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- 4 If two lines are parallel to a third line, then they are perpendicular to each other.

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