

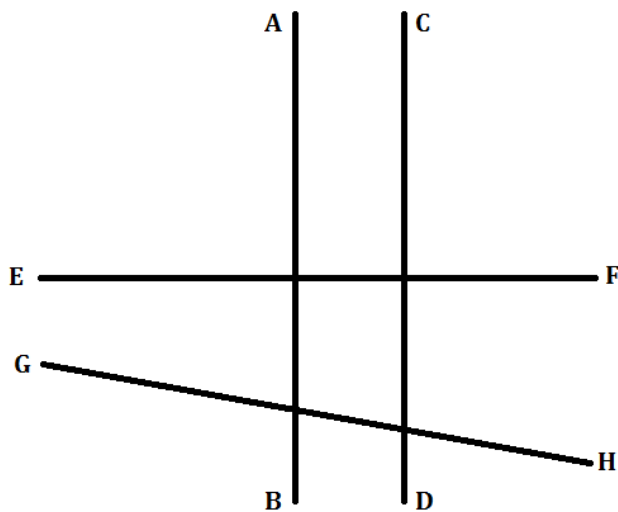
## Identify Intersecting/Non-Intersecting Lines

In this worksheet we will practice identifying intersecting and non-intersecting lines. There are three types of lines: intersecting, perpendicular, and parallel. Regular intersecting lines cross each other, but not at right angles. Perpendicular lines, a special type of intersecting line, cross each other at right angles. Parallel lines never cross each other; they are non-intersecting lines. See the diagram below:

	<p>Lines A and B are parallel lines. <i>There is one pair of parallel lines.</i></p> <p>Lines A and D, and lines B and D are intersecting lines. <i>There are two pairs of intersecting lines.</i></p> <p>Lines A and C, and lines B and C are perpendicular lines. <i>There are two pairs of perpendicular lines.</i></p>
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### Exercise Questions:

Answer questions 1 - 5 using the diagram below:



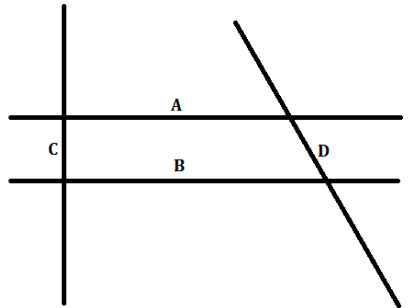
1. Lines AB and \_\_\_\_\_ are parallel lines.
2. Lines CD and \_\_\_\_\_ are perpendicular lines.
3. Line GH is an intersecting line with lines \_\_\_\_\_ and \_\_\_\_\_.
4. How many pairs of parallel lines are there? \_\_\_\_\_
5. How many pairs of perpendicular lines are there? \_\_\_\_\_



## Answer Key

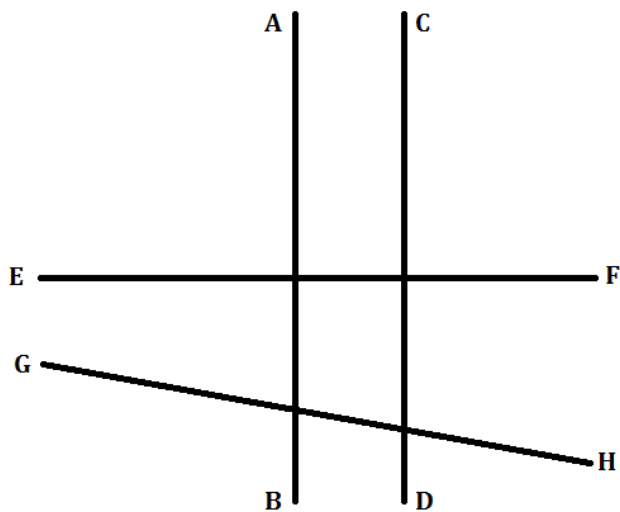
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	<p>Lines A and B are parallel lines. <i>There is one pair of parallel lines.</i></p> <p>Lines A and D, and lines B and D are intersecting lines. <i>There are two pairs of intersecting lines.</i></p> <p>Lines A and C, and lines B and C are perpendicular lines. <i>There are two pairs of perpendicular lines.</i></p>
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#### Exercise Questions:

Answer questions 1 - 5 using the diagram below:



1. Lines AB and CD are parallel lines.
2. Lines CD and EF are perpendicular lines.
3. Line GH is an intersecting line with lines AB and CD.
4. How many pairs of parallel lines are there? 1
5. How many pairs of perpendicular lines are there? 2

