# Parallel, Perpendicular and Intersecting Lines

1. Identify if the pairs of lines are 'Parallel', 'Perpendicular' or 'Intersecting'.
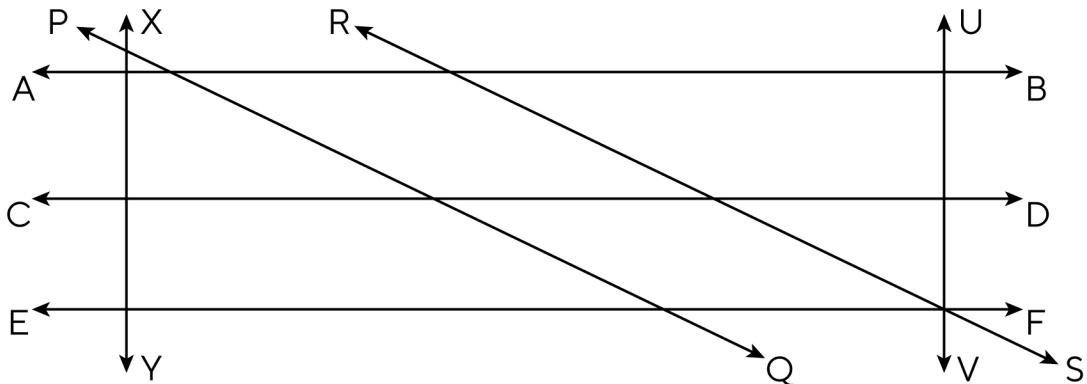
[a] $\overleftrightarrow{AB}$ and $\overleftrightarrow{PQ}$ _____

[b] $\overleftrightarrow{CD}$ and $\overleftrightarrow{EF}$ _____

[c] $\overleftrightarrow{UV}$ and $\overleftrightarrow{EF}$ _____

[d] $\overleftrightarrow{XY}$ and $\overleftrightarrow{CD}$ _____

[e] $\overleftrightarrow{PQ}$ and $\overleftrightarrow{RS}$ _____

[f] $\overleftrightarrow{PQ}$ and $\overleftrightarrow{EF}$ _____

[g] $\overleftrightarrow{AB}$ and $\overleftrightarrow{CD}$ _____

2. Draw a pair of the following lines.

[a] Parallel lines   [b] Perpendicular lines   [c] Intersecting lines

3. Write 'Parallel' or 'Not Parallel' for each.

[a] _____   [b] _____   [c] _____

Parallel, Perpendicular and Intersecting Lines

1.

P, X, R, U, A, B, C, D, E, Y, Q, V, S, F
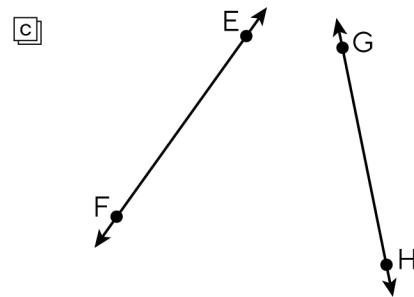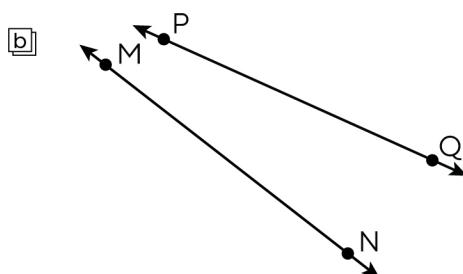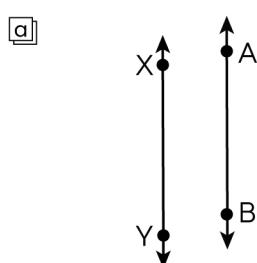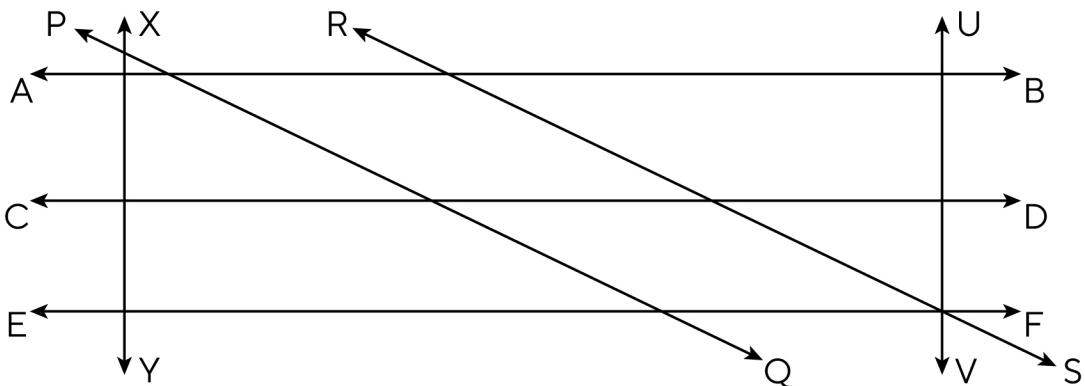
[a]	$\overleftrightarrow{AB}$ and $\overleftrightarrow{PQ}$	Intersecting
[b]	$\overleftrightarrow{CD}$ and $\overleftrightarrow{EF}$	Parallel
[c]	$\overleftrightarrow{UV}$ and $\overleftrightarrow{EF}$	Perpendicular
[d]	$\overleftrightarrow{XY}$ and $\overleftrightarrow{CD}$	Perpendicular
[e]	$\overleftrightarrow{PQ}$ and $\overleftrightarrow{RS}$	Parallel
[f]	$\overleftrightarrow{PQ}$ and $\overleftrightarrow{EF}$	Intersecting
[g]	$\overleftrightarrow{AB}$ and $\overleftrightarrow{CD}$	Parallel

2.

[a] Parallel lines	[b] Perpendicular lines	[c] Intersecting lines

3.
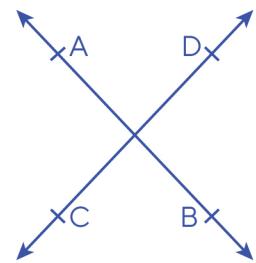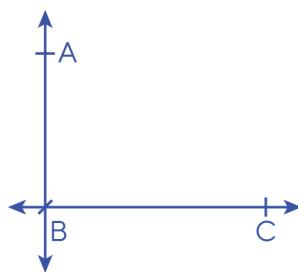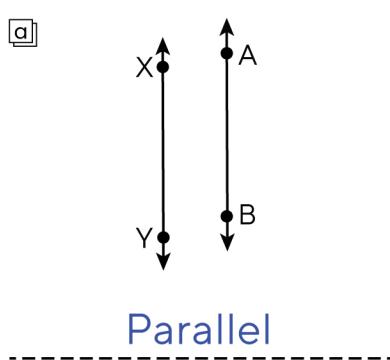
[a]	[b]	[c]
Parallel	Not Parallel	Not Parallel