

Name _____

Date _____

Slopes of Parallel and Perpendicular Lines - Step-by-Step Lesson



Problem:

Line c has a slope of $\frac{-4}{2}$.

Line d has a slope of $\frac{-4}{2}$ are lines c and d parallel or perpendicular?

Explanation:

Two parallel lines have the same slope.

Perpendicular lines have slope that are opposite reciprocals, like $\frac{a}{b}$ and $\frac{-b}{a}$ the slope also have a product of -1.

The lines are parallel because Line C and line D has same slope which is $\frac{-4}{2}$

