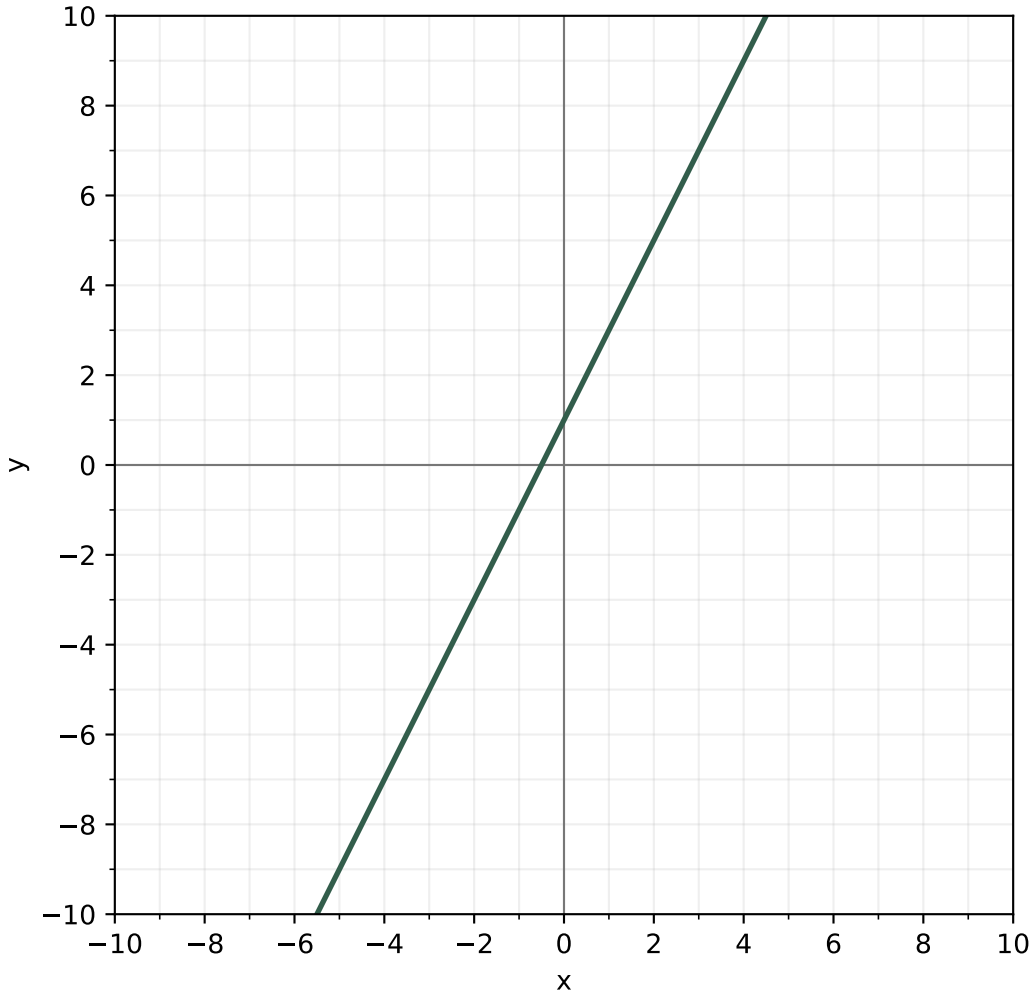
Comparing Linear Functions: Graphs, Tables and Equations

REFERENCE / CASE 1

Function A is shown as a graph and table [[0, 1], [1, 3], [2, 5]]. Function B is y=1x+(3). Compare their slopes and initial values; which has the greater value at x=2?

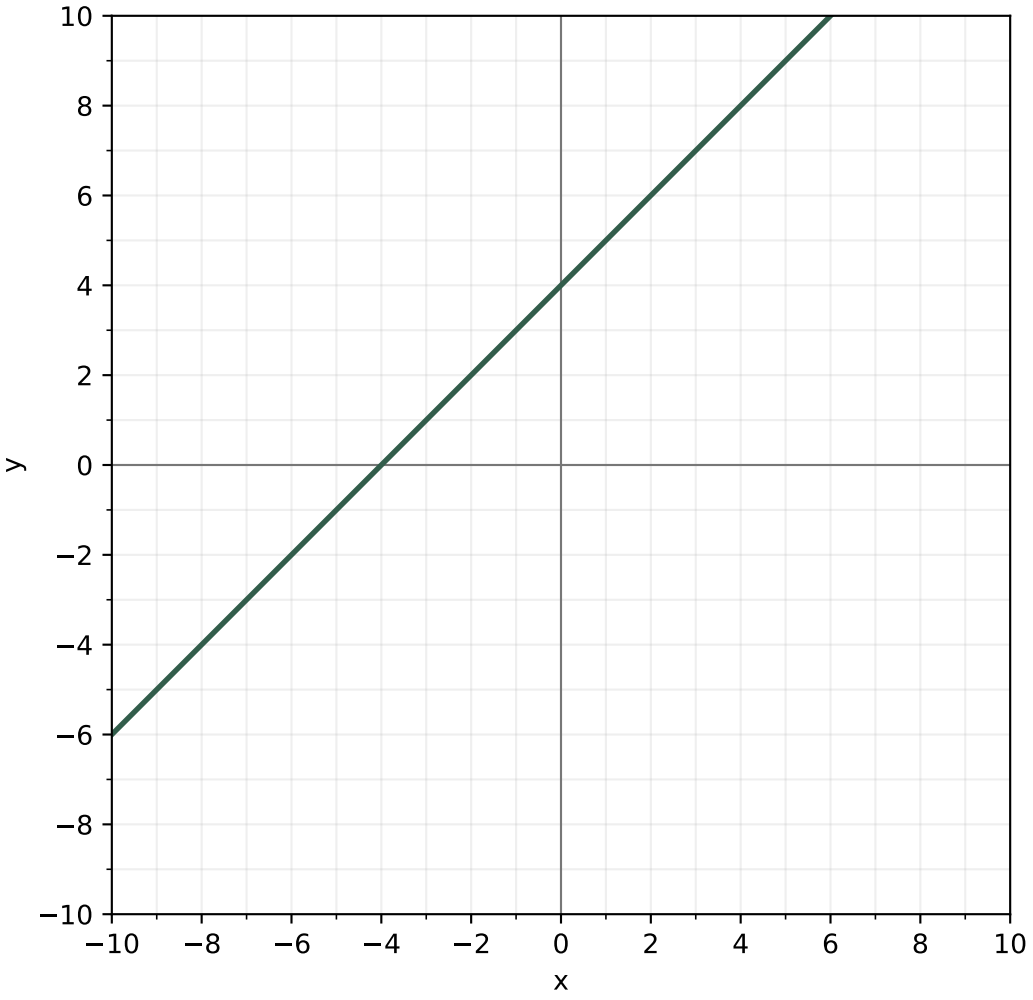


METHOD: Calculate rise/run between two table points; the value at x=0 is the initial value. Compare signed slopes numerically. Substitute x=2 in each rule to compare outputs. Reference diagram supplied. Use the separate practice sheet before checking the worked answer.

Comparing Linear Functions: Graphs, Tables and Equations

REFERENCE / CASE 2

Function A is shown as a graph and table [[0, 4], [1, 5], [2, 6]]. Function B is y=2x+(1). Compare their slopes and initial values; which has the greater value at x=2?

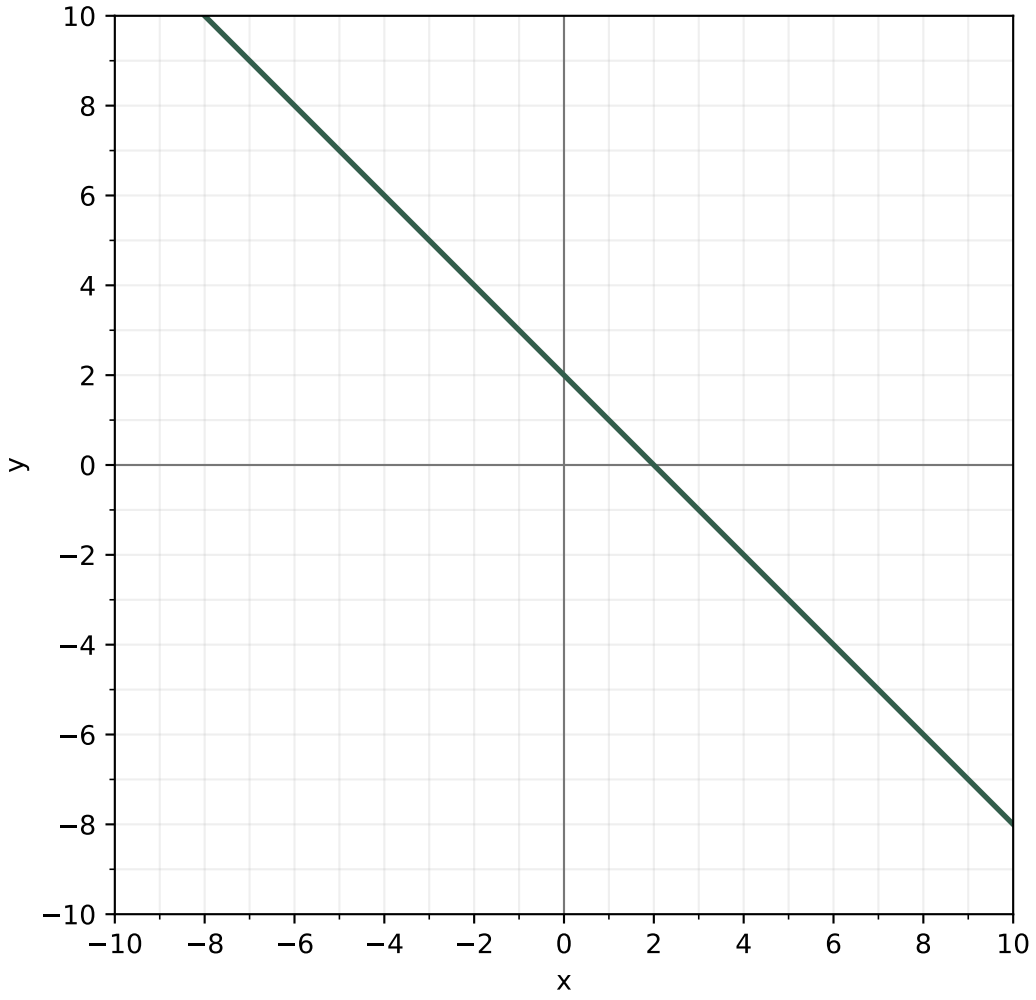


METHOD: Calculate rise/run between two table points; the value at x=0 is the initial value. Compare signed slopes numerically. Substitute x=2 in each rule to compare outputs. Reference diagram supplied. Use the separate practice sheet before checking the worked answer.

Comparing Linear Functions: Graphs, Tables and Equations

REFERENCE / CASE 3

Function A is shown as a graph and table [[0, 2], [1, 1], [2, 0]]. Function B is y=-2x+(4). Compare their slopes and initial values; which has the greater value at x=2?

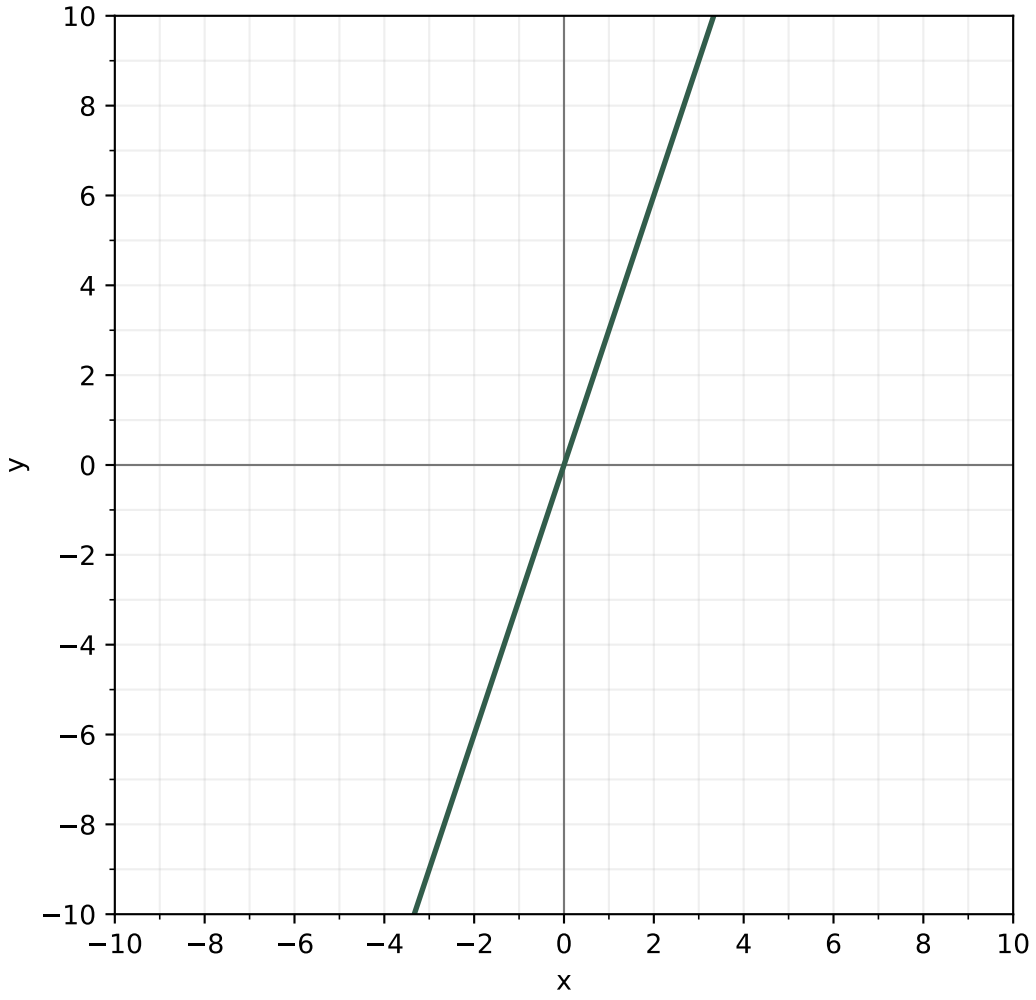


METHOD: Calculate rise/run between two table points; the value at x=0 is the initial value. Compare signed slopes numerically. Substitute x=2 in each rule to compare outputs. Reference diagram supplied. Use the separate practice sheet before checking the worked answer.

Comparing Linear Functions: Graphs, Tables and Equations

REFERENCE / CASE 4

Function A is shown as a graph and table [[0, 0], [1, 3], [2, 6]]. Function B is y=3x+(2). Compare their slopes and initial values; which has the greater value at x=2?



METHOD: Calculate rise/run between two table points; the value at x=0 is the initial value. Compare signed slopes numerically. Substitute x=2 in each rule to compare outputs. Reference diagram supplied. Use the separate practice sheet before checking the worked answer.