GRADE 8 MATH · HOMEWORK

Estimate Solutions of Systems by Inspection

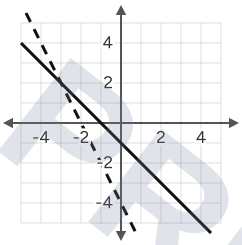
SCORE / 25

01 Part A · Practice

Compare slopes and y-intercepts: different slopes → one solution; same slope, different intercepts → none; same line → infinitely many.

1 ●○○ Give each slope and y-intercept. How many solutions? $\begin{cases} y = -2x + 5 \\ y = -2x \end{cases}$

2 ●○○ How many solutions does the graphed system have? Name it if there is one.



3 ●○○ Without graphing, how many solutions?

$\begin{cases} y = -2x - 2 \\ 2x + y = 5 \end{cases}$

4 ●○○ Without graphing, how many solutions?

$\begin{cases} y = x - 3 \\ x - y = 3 \end{cases}$

PREVIEW

Preview - the full worksheet and its answer key are at primeworksheet.com