DO NOW

ALGEBRA 2 · 5 MINUTES · START RIGHT AWAY

Lesson 1-5a

Use a Graph to Solve an Equation

Name _____ Date _____ Per _____

1 FLUENCY

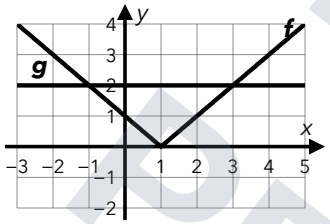
To solve $3x + 1 = x - 5$ by graphing, write the two functions to graph. Then give the solution.

$y_1 =$ ☐ $y_2 =$ ☐

Solution: $x =$ ☐

2 VISUAL MODEL

The graphs of $f(x) = |x - 1|$ and $g(x) = 2$ are shown. Use them to solve $|x - 1| = 2$.



$x =$ ☐

or $x =$ ☐

3 APPLICATION

Candle A is 12 in. tall and burns 1.5 in. per hour. Candle B is 9 in. tall and burns 0.75 in. per hour. Graph both heights to find when they are equal.

after _____ height: _____

WORK

4 REASONING

Ben graphs $y = 2x + 1$ and $y = 7$. They intersect at (3, 7). He says the solution of $2x + 1 = 7$ is 7. Is he correct? Explain.

Yes or **No**

_____

_____

*We don't divide our effort, we **multiply** it!*

✎ Show your work ✓ Check your work ★ Try your best

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