DO NOW

ALGEBRA 2 · 5 MINUTES · START RIGHT AWAY

Lesson 4-2d **Graph a Function of the Form (ax + b) ÷ (cx + d)**

Name _____ Date _____ Per _____

1 FLUENCY

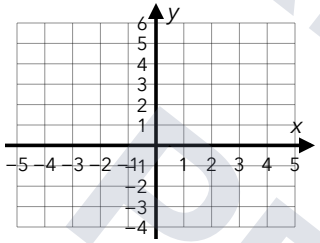
Find the key features of $f(x) = \frac{3x - 6}{x + 2}$.

VA: _____ HA: _____

x-intercept: ☐ y-intercept: ☐

2 VISUAL MODEL

Graph $f(x) = \frac{x + 2}{x - 1}$. Draw asymptotes, plot intercepts, sketch.



VA: _____

HA: _____

x-int: _____

y-int: _____

3 APPLICATION

A 20 L tank holds 4 L of acid. Adding x L of pure acid gives concentration $C(x) = \frac{4 + x}{20 + x}$. How much acid makes it 50% acid?

$x =$ ☐ L

WORK

4 REASONING

Which statement is NOT true for $f(x) = \frac{4x + 8}{2x - 6}$?

A VA: $x = 3$

B HA: $y = 4$

C x-intercept: -2

D y-intercept: $-\frac{4}{3}$

*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