

Day 3: Practice

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Use the function $f(x) = -5x + 6$ to answer the following problems. Show all your steps.

1. Find $f(3)$ $-5(3) + 6$ $-15 + 6$ -9	2. Find $f(2)$ $-5(2) + 6$ $-10 + 6$ -4	3. Find $f(-3)$ $-5(-3) + 6$ $15 + 6$ 21
4. Solve $f(x) = 21$ $-5x + 6 = 21$ $-5x = 15$ $x = -3$	5. Solve $f(x) = 36$ $-5x + 6 = 36$ $-5x = 30$ $x = -6$	6. Solve $f(x) = -34$ $-5x + 6 = -34$ $-5x = -40$ $x = 8$

7. Which problem is written using function notation? Circle one and then explain how you know.

a. ~~$y = 7x + 3$~~

b. $g(x) = 7x + 3$

Has $g(x)$

8. If this problem is about The Big Race where the four Algebra teachers ran a race, what would the 3 represent in the situation? What would the 5 represent in the situation?

$7 = \text{speed}$, $3 = \text{head start}$