

MATH TIMED DRILL #2 (8 minutes)

3. The function f is defined as $f(x) = 2x - 11$. What is the value of $f(-2)$?

- A) -15
- B) -11
- C) -7
- D) 7
- E) 15

3. Which of the following equations represents the line in the xy -plane that passes through $(0,5)$ and has a slope of -5 ?

- A) $y = -5x$
- B) $y = -5x + 5$
- C) $y = 5x + 5$
- C) $y = 5x - 5$
- D) $y = -5x$

$$5x + 4y + 3 = 0$$

15. What are the slope and the y -intercept of the graph in the xy -plane of the equation above?

- F) $-\frac{5}{4}, \frac{3}{4}$
- G) $-\frac{5}{4}, 3$
- H) $-\frac{4}{5}, -3$
- J) $-\frac{4}{5}, \frac{3}{4}$
- K) $\frac{4}{5}, \frac{3}{4}$

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$$f(x) = x(x + 5)$$

16. The function f is defined above. If the function g is defined by $g(x) = f(x) + 5$, what will be the value of $g(3)$?

- A) 8
- B) 15
- C) 21
- D) 24
- E) 29

Number of Flight Departures at Dover Airport in a Month

	On Time	Delayed	Total
Pacific Airways	2,029	861	2,890
World Airways	1,150	700	1,850
Total	3,179	1,561	4,740

8. Based on the table above, what is the probability of a Pacific Airways flight being delayed ?

- A) $\frac{700}{1,850}$
- B) $\frac{700}{1,561}$
- C) $\frac{861}{1,561}$
- D) $\frac{861}{2,890}$
- E) $\frac{861}{4,740}$

END OF DRILL #2