

## What Did They Call the Duck Who Became a Test Pilot?

Follow the directions given for each section. Cross out each box in the rectangle below that contains a correct answer. When you finish, print the letters from the remaining boxes in the spaces at the bottom of the page.

I For each function, find the indicated values.

- |                                |            |            |
|--------------------------------|------------|------------|
| ① $f(x) = 2x - 5$              | A. $f(6)$  | B. $f(1)$  |
| ② $f(x) = x^2 - 4$             | A. $f(12)$ | B. $f(-2)$ |
| ③ $g(x) = x^2 - 7x + 1$        | A. $g(3)$  | B. $g(0)$  |
| ④ $h(x) = \frac{x+3}{x^2+x-6}$ | A. $h(4)$  | B. $h(-1)$ |

II Find the range of each function for the given domain.

- |                                   |                     |  |
|-----------------------------------|---------------------|--|
| ⑤ $f(x) = 3x + 2$                 | D = $\{-2, 0, 2\}$  |  |
| ⑥ $g(x) = 9 - 5x$                 | D = $\{-3, -1, 1\}$ |  |
| ⑦ $F(x) = 2x^2 - 1$               | D = $\{5, 1, -4\}$  |  |
| ⑧ $h(x) = x^2 - 8x + 3$           | D = $\{1, 0, -1\}$  |  |
| ⑨ $f(t) = \frac{t^2 + 4t}{t - 6}$ | D = $\{4, 0, -4\}$  |  |
| ⑩ $G(n) = -n^2 + 2n + 3$          | D = $\{-2, 1, 4\}$  |  |

SK {49, 1, 31}	Y 0	S $\frac{1}{2}$	AF {49, -1, 9}	E {-16, 0}	IL 7	LY {-16, 8, -2}
BE {24, 14, 4}	ER {-5, 0}	ST {-5, 4}	QU $-\frac{3}{2}$	IT $-\frac{1}{3}$	I -3	A {24, 14, -7}
DU -11	CK {-4, 7, 12}	MB 140	IN {-4, 2, 8}	H {-4, 3, 12}	ER {-4, 2, -1}	UP 1