

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.

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|--------------------------------|------------|------------|
| 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.

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|-----------------------------------|-----------------|--|
| 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