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(1)

$$f(x) = -4x^3 + 5x^2 + 5x + 3$$
$$g(x) = 5x + 2$$
$$f(g(3)) =$$

(2)

$$f(x) = 3x + 5$$
$$g(x) = 4x + 1$$
$$f(g(-4)) =$$

(3)

$$f(x) = -3x - 5$$
$$g(x) = 4x + 2$$
$$f(g(-2)) =$$

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(4)

$$f(x) = -4x - 3$$
$$g(x) = -4x - 1$$
$$f(g(-3)) =$$

(5)

$$f(x) = 2x + 3$$
$$g(x) = -3x + 3$$
$$f(g(-2)) =$$

(6)

$$f(x) = 3x + 1$$
$$g(x) = 2x + 5$$
$$f(g(-5)) =$$

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(7)

$$f(x) = 5x - 2$$
$$g(x) = x + 5$$
$$f(g(5)) =$$

(8)

$$f(x) = -x + 2$$
$$g(x) = x + 4$$
$$f(g(-4)) =$$

(9)

$$f(x) = -x^2 - x - 3$$
$$g(x) = 4x - 1$$
$$f(g(0)) =$$

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(10)

$$f(x) = -3x^3 + 2x^2 + 2x + 3$$
$$g(x) = -5x - 3$$
$$f(g(3)) =$$

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Version 1 Answer Key!

(1) $f(g(3)) = -223$

(2) $f(g(-4)) = -27$

(3) $f(g(-2)) = 6$

(4) $f(g(-3)) = -37$

(5) $f(g(-2)) = 6$

(6) $f(g(-5)) = -23$

(7) $f(g(5)) = 28$

(8) $f(g(-4)) = 10$

(9) $f(g(0)) = -13$

(10) $f(g(3)) = 267$