Answer key

The method: Evaluating expressions

Replace x with the number, then follow the order of operations.

$9x - 3$, when $x = 5$: 42

$9(5) - 3 = 45 - 3 = 42$ put (5) in for x

$3x^2 + 3x$, when $x = 7$: 168

$3(7)^2 + 3(7) = 147 + 21 = 168$ put (7) in for x

Problems 1 and 2 worked out · Version 0A

$x^2 - 5x + 5$, when $x = -3$: 29

$(-3)^2 - 5(-3) + 5 = 9 + 15 + 5 = 29$ put (-3) in for x

$-6x$, when $x = -1$: 6

$-6(-1) = 6 = 6$ put (-1) in for x

Evaluating expressions · Version 0A

1) 29 2) 6 3) −14 4) −2 5) 0 6) 8 7) −4 8) 3
9) 53 10) 218 11) 9 12) −30 13) −27 14) −23
15) 7 16) 12 17) 85 18) −19 19) 56 20) −34
21) −2