

Mathematics: Substitutions Demo

Demo - Set 1

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1) Simplify algebraic expression

$$9x + 7x - 2x - 4x =$$

- a) Solve for $x = 1$ _____
- b) Solve for $x = 2$ _____
- c) Solve for $x = 0$ _____

2) Simplify algebraic expression

$$6x + 0x - x - 3x =$$

- a) Solve for $x = 4$ _____
- b) Solve for $x = 3$ _____
- c) Solve for $x = 2$ _____

3) Simplify algebraic expression

$$8x - 5x + 10x - 7x =$$

- a) Solve for $x = 1$ _____
- b) Solve for $x = 2$ _____
- c) Solve for $x = 3$ _____

4) Simplify algebraic expression

$$6x + 4x + 0x - 6x =$$

- a) Solve for $x = 5$ _____
- b) Solve for $x = 0$ _____
- c) Solve for $x = 4$ _____

5) Simplify algebraic expression

$$(10 + 4x) - 7 + (8 - 1) - 5 =$$

- a) Solve for $x = 2$ _____
- b) Solve for $x = 1$ _____
- c) Solve for $x = 3$ _____

6) Simplify algebraic expression

$$(8 - 2 + 8x) - (3 - 1 + 4x) =$$

- a) Solve for $x = 4$ _____
- b) Solve for $x = 0$ _____
- c) Solve for $x = 2$ _____

7) Simplify algebraic expression

$$(2x + 6 + 6x + 7x - 4x) - 6x =$$

- a) Solve for $x = 2$ _____
- b) Solve for $x = 0$ _____
- c) Solve for $x = 1$ _____

8) Simplify algebraic expression

$$(10x - x + 8) - (6 - 3 + 3) =$$

- a) Solve for $x = 0$ _____
- b) Solve for $x = 1$ _____
- c) Solve for $x = 2$ _____

9) Simplify algebraic expression

$$6x + 8x - 9x + ((4y - 0y) + 10y) =$$

- a) Solve for $x = 0$, $y = 1$ _____
- b) Solve for $x = 1$, $y = 1$ _____
- c) Solve for $x = 3$, $y = 0$ _____

10) Simplify algebraic expression

$$((5x - x) + 5y + 4y + x - 0x) =$$

- a) Solve for $x = 2$, $y = 0$ _____
- b) Solve for $x = 4$, $y = 0$ _____
- c) Solve for $x = 0$, $y = 1$ _____

11) Simplify algebraic expression

$$((9x - 8x + 2x) + 6y) + 9y - 9y =$$

- a) Solve for $x = 0$, $y = 3$ _____
- b) Solve for $x = 0$, $y = 0$ _____
- c) Solve for $x = 4$, $y = 0$ _____

12) Simplify algebraic expression

$$(10x - 6x) + ((4x + 8y) - 6y) + x =$$

- a) Solve for $x = 1$, $y = 2$ _____
- b) Solve for $x = 0$, $y = 10$ _____
- c) Solve for $x = 0$, $y = 7$ _____

13) Simplify algebraic expression

$$((5y - 5y + 3y + z + 4y) + 3y) =$$

- a) Solve for $z = 2$, $y = 1$ _____
- b) Solve for $z = 5$, $y = 1$ _____
- c) Solve for $z = 1$, $y = 0$ _____

14) Simplify algebraic expression

$$3y - 0y + ((10x - 3x) + 4x - 9x) =$$

- a) Solve for $x = 2$, $y = 1$ _____
- b) Solve for $x = 0$, $y = 3$ _____
- c) Solve for $x = 4$, $y = 4$ _____

15) Simplify algebraic expression

$$((8x - 4x) - 4x) + 2x - x + 10y =$$

- a) Solve for $x = 3$, $y = 0$ _____
- b) Solve for $x = 2$, $y = 1$ _____
- c) Solve for $x = 1$, $y = 0$ _____

16) Simplify algebraic expression

$$((4z + 3z - 4z)) + ((x - 0z) + 8y) =$$

- a) Solve for $z = 0$, $x = 8$, $y = 0$ _____
- b) Solve for $z = 0$, $x = 6$, $y = 1$ _____
- c) Solve for $z = 0$, $x = 1$, $y = 1$ _____

17) Simplify algebraic expression

$$(5 + (-8)) + (9x + y) + (-15) + (-2) =$$

- a) Solve for $x = 1$, $y = 9$ _____
- b) Solve for $x = 3$, $y = 4$ _____
- c) Solve for $x = 3$, $y = 0$ _____

18) Simplify algebraic expression

$$(6 - 18) + (-5y) + (7x - (-9y)) - (-4) =$$

- a) Solve for $x = 1$, $y = 1$ _____
- b) Solve for $x = 1$, $y = 2$ _____
- c) Solve for $x = 0$, $y = 4$ _____

19) Simplify algebraic expression

$$(4 + 10x - 2x) - (-5y) - 8 + 3y =$$

- a) Solve for $x = 0$, $y = 2$ _____
- b) Solve for $x = 2$, $y = 0$ _____
- c) Solve for $x = 0$, $y = 3$ _____

20) Simplify algebraic expression

$$4y - (-3) + (1 - (-5y)) - (19 - 7x) =$$

- a) Solve for $x = 0$, $y = 2$ _____
- b) Solve for $x = 4$, $y = 0$ _____
- c) Solve for $x = 3$, $y = 0$ _____

21) Simplify algebraic expression

$$(4x - 4x) + 0 \div ((x + 0x \div (10x))) =$$

- a) Solve for $x = 10$ _____
- b) Solve for $x = 7$ _____
- c) Solve for $x = 3$ _____

22) Simplify algebraic expression

$$(4x - 3x) + 5x \times (0 \div 8 \times 7x) =$$

- a) Solve for $x = 7$ _____
- b) Solve for $x = 3$ _____
- c) Solve for $x = 5$ _____

23) Simplify algebraic expression

$$(7x \times 5) - 28x - (14x \div 7) - 2x =$$

- a) Solve for $x = 1$ _____
- b) Solve for $x = 0$ _____
- c) Solve for $x = 3$ _____

24) Simplify algebraic expression

$$(2x \times 8) \times (9x - 9x) \div (7x) \div (9x) =$$

- a) Solve for $x = 1$ _____
- b) Solve for $x = 7$ _____
- c) Solve for $x = 5$ _____

25) Simplify algebraic expression

$$(3x + x) - (0x - 0x) \div (4x) \div (2x) =$$

- a) Solve for $x = 1$ _____
- b) Solve for $x = 0$ _____
- c) Solve for $x = 2$ _____

26) Simplify algebraic expression

$$(0x - 0x \div (5x)) \div x \times 14x \div 7 =$$

- a) Solve for $x = 1$ _____
- b) Solve for $x = 6$ _____
- c) Solve for $x = 0$ _____

27) Simplify algebraic expression

$$(0 \div 7) + (2x \div 2 \times 0x) - 0x =$$

- a) Solve for $x = 10$ _____
- b) Solve for $x = 6$ _____
- c) Solve for $x = 2$ _____

28) Simplify algebraic expression

$$(9x - x) \times 0x \div ((6x - 6x) + 5x) =$$

- a) Solve for $x = 10$ _____
- b) Solve for $x = 9$ _____
- c) Solve for $x = 2$ _____

29) Simplify algebraic expression

$$((2 + 3x) + 7) - ((9x - 7x) + 2) =$$

- a) Solve for $x = 0$ _____
- b) Solve for $x = 1$ _____
- c) Solve for $x = 2$ _____

30) Simplify algebraic expression

$$(6x + 3x) \times ((10 - 4) \div 6) \div 3 =$$

- a) Solve for $x = 2$ _____
- b) Solve for $x = 3$ _____
- c) Solve for $x = 1$ _____

31) Simplify algebraic expression

$$((15 \div 5) + 6x) - 4x - 7x + 8x =$$

- a) Solve for $x = 1$ _____
- b) Solve for $x = 2$ _____
- c) Solve for $x = 0$ _____

32) Simplify algebraic expression

$$((3x + 10 - 1) - 7) - 2x =$$

- a) Solve for $x = 0$ _____
- b) Solve for $x = 2$ _____
- c) Solve for $x = 6$ _____

33) Simplify algebraic expression

$$(5 - 12) - (-3) + (-2x) - (8x \div (-2)) =$$

- a) Solve for $x = 3$ _____
- b) Solve for $x = 4$ _____
- c) Solve for $x = 2$ _____

34) Simplify algebraic expression

$$5x \div (-1) - (14 \div (-7)) + (-5) - (-10x) =$$

- a) Solve for $x = 0$ _____
- b) Solve for $x = 1$ _____
- c) Solve for $x = 2$ _____

35) Simplify algebraic expression

$$(2x + (-2x)) - (100x \div (-10) + 7 + 2x) =$$

- a) Solve for $x = 2$ _____
- b) Solve for $x = 1$ _____
- c) Solve for $x = 0$ _____

36) Simplify algebraic expression

$$(7x + (-2x)) - (-4) - (2x + 11 + 0x) =$$

- a) Solve for $x = 4$ _____
- b) Solve for $x = 2$ _____
- c) Solve for $x = 1$ _____

37) Simplify algebraic expression

$$(3 \times 0x) \times 56x \div 9 \div 35 \times 3x =$$

- a) Solve for $x = 8$ _____
- b) Solve for $x = 5$ _____
- c) Solve for $x = 4$ _____

38) Simplify algebraic expression

$$19 + (-9x) + (0x \times x) \div (-6x) \div (-6) =$$

- a) Solve for $x = 3$ _____
- b) Solve for $x = 1$ _____
- c) Solve for $x = 2$ _____

39) Simplify algebraic expression

$$2x \times 7 \times (9x + (-10)) \times 0x \div 10 =$$

- a) Solve for $x = 5$ _____
- b) Solve for $x = 10$ _____
- c) Solve for $x = 3$ _____

40) Simplify algebraic expression

$$(2x + (-1x)) \times (-2) \div x \times (-7) - 4x =$$

- a) Solve for $x = 4$ _____
- b) Solve for $x = 5$ _____
- c) Solve for $x = 6$ _____

41) Simplify algebraic expression

$$10x + 0x \times (x + 7y) \times 3y \times 1 =$$

- a) Solve for $x = 1$, $y = 1$ _____
- b) Solve for $x = 1$, $y = 7$ _____
- c) Solve for $x = 1$, $y = 10$ _____

42) Simplify algebraic expression

$$(3x \times 7) - x - (9x - 0y) - 3x =$$

- a) Solve for $x = 1$, $y = 3$ _____
- b) Solve for $x = 1$, $y = 6$ _____
- c) Solve for $x = 1$, $y = 10$ _____

43) Simplify algebraic expression

$$(3y - y + 2x) + 0y \times 9y \div (12x) =$$

- a) Solve for $x = 0$, $y = 1$ _____
- b) Solve for $x = 0$, $y = 5$ _____
- c) Solve for $x = 0$, $y = 2$ _____

44) Simplify algebraic expression

$$10y + 3y - (7y - 0y \times 9y) - 3y =$$

- a) Solve for $y = 1$ _____
- b) Solve for $y = 2$ _____
- c) Solve for $y = 3$ _____

45) Simplify algebraic expression

$$(9 \times 7) \times (9z - 9z) + 6y - 5y =$$

- a) Solve for $z = 5$, $y = 5$ _____
- b) Solve for $z = 2$, $y = 7$ _____
- c) Solve for $z = 4$, $y = 7$ _____

46) Simplify algebraic expression

$$7z - 0z \div ((3x + 3x)) \div ((8y - 6y)) =$$

- a) Solve for $z = 1$, $x = 7$, $y = 9$ _____
- b) Solve for $z = 1$, $x = 7$, $y = 6$ _____
- c) Solve for $z = 1$, $x = 8$, $y = 4$ _____

47) Simplify algebraic expression

$$(0z - 0x + 10) - (8x \div 2) \div (2x) =$$

- a) Solve for $z = 2$, $x = 0$ _____
- b) Solve for $z = 1$, $x = 1$ _____
- c) Solve for $z = 10$, $x = 7$ _____

48) Simplify algebraic expression

$$0x \times 1 \times (10z \div 1 - 3z) + 2x =$$

- a) Solve for $z = 10$, $x = 5$ _____
- b) Solve for $z = 6$, $x = 2$ _____
- c) Solve for $z = 0$, $x = 4$ _____

49) Simplify algebraic expression

$$(0x \times 8 + 0x) \times 5 \div 1 \div (6y) =$$

- a) Solve for $x = 4$, $y = 9$ _____
- b) Solve for $x = 1$, $y = 0$ _____
- c) Solve for $x = 0$, $y = 10$ _____

50) Simplify algebraic expression

$$(10x \times 0x \div 2) + 0 \div 14 \div 2 =$$

- a) Solve for $x = 8$ _____
- b) Solve for $x = 4$ _____
- c) Solve for $x = 7$ _____

51) Simplify algebraic expression

$$(0 \div 8 \times 1) \div ((21y \div (-3))) \div 5 =$$

- a) Solve for $y = 7$ _____
- b) Solve for $y = 5$ _____
- c) Solve for $y = 4$ _____

52) Simplify algebraic expression

$$9y \div (-9) \div ((9y - (-1y)) \div ((10 - 0y))) =$$

- a) Solve for $y = 0$ _____
- b) Solve for $y = 8$ _____
- c) Solve for $y = 7$ _____

53) Simplify algebraic expression

$$(9 \times 2) \times (0 \div (-3)) \div (8 \times (-8y)) =$$

- a) Solve for $y = 8$ _____
- b) Solve for $y = 3$ _____
- c) Solve for $y = 10$ _____

54) Simplify algebraic expression

$$(3x + (-1x)) - 4 - (0 \div 4 + 4x) =$$

- a) Solve for $x = 3$ _____
- b) Solve for $x = 1$ _____
- c) Solve for $x = 2$ _____

55) Simplify algebraic expression

$$(0x \times 0x) - 8 - 2 + 27y \div 9 =$$

- a) Solve for $x = 4$, $y = 3$ _____
- b) Solve for $x = 4$, $y = 0$ _____
- c) Solve for $x = 5$, $y = 3$ _____

56) Simplify algebraic expression

$$7 + 0 \div (3 + 9x \div (3 \div 1)) =$$

- a) Solve for $x = 4$ _____
- b) Solve for $x = 3$ _____
- c) Solve for $x = 6$ _____

57) Simplify algebraic expression

$$(((5z + (-2)) - (-2))) \div 1 + 0y \times ((7x - 5y + 1)) =$$

- a) Solve for $z = 2$, $x = 4$, $y = 7$ _____
- b) Solve for $z = 2$, $x = 10$, $y = 6$ _____
- c) Solve for $z = 0$, $x = 4$, $y = 5$ _____

58) Simplify algebraic expression

$$(((2x \div (-2) + (-2z))) \times 0y) \div y \times (-3) \times (10x + (-4z)) =$$

- a) Solve for $z = 6$, $x = 4$, $y = 3$ _____
- b) Solve for $z = 10$, $x = 7$, $y = 3$ _____
- c) Solve for $z = 7$, $x = 5$, $y = 0$ _____

59) Simplify algebraic expression

$$(0y \times (-6)) \div 10 - (((3x \times 5) \div 5 - 5y)) - (-3z) =$$

- a) Solve for $z = 6$, $x = 10$, $y = 1$ _____
- b) Solve for $z = 1$, $x = 0$, $y = 1$ _____
- c) Solve for $z = 7$, $x = 10$, $y = 1$ _____

60) Simplify algebraic expression

$$((10z + (-3z) + (7 + (-10) + 4y))) + (16y \div (-2) - (-9y)) =$$

- a) Solve for $z = 0$, $y = 0$ _____
- b) Solve for $z = 1$, $y = 1$ _____
- c) Solve for $z = 0$, $y = 2$ _____

61) Simplify algebraic expression

$$((1y + (-8)) + 5z) + 18 - 5y + (7y - 9z - 1) =$$

- a) Solve for $z = 4$, $y = 0$ _____
- b) Solve for $z = 8$, $y = 9$ _____
- c) Solve for $z = 8$, $y = 8$ _____

62) Simplify algebraic expression

$$((y \times (-7)) - (15 - 17 + 7) + (8 + 8 - 3)) =$$

- a) Solve for $y = 0$ _____
- b) Solve for $y = 1$ _____
- c) Solve for $y = 2$ _____

63) Simplify algebraic expression

$$(((0 + 0z \div 4) \div (-6y)) \div (-1y)) \times (((6x - 3) + 7z)) =$$

- a) Solve for $z = 8$, $x = 2$, $y = 4$ _____
- b) Solve for $z = 7$, $x = 0$, $y = 3$ _____
- c) Solve for $z = 4$, $x = 5$, $y = 4$ _____

64) Simplify algebraic expression

$$(8 + x) - (7 + 9) + (((2z + (-10z) + 8z)) \div 1) =$$

- a) Solve for $z = 4$, $x = 0$ _____
- b) Solve for $z = 0$, $x = 8$ _____
- c) Solve for $z = 4$, $x = 8$ _____

1) Simplify algebraic expression

$$9y - 8y + (5x + 4x - 4x + 8x) =$$

- a) Solve for $x = 0$, $y = 10$ _____
- b) Solve for $x = 0$, $y = 0$ _____
- c) Solve for $x = 1$, $y = 0$ _____

2) Simplify algebraic expression

$$(10 - 9y) - 6y - 14 + 6 - (-8) =$$

- a) Solve for $y = 1$ _____
- b) Solve for $y = 0$ _____
- c) Solve for $y = 2$ _____

3) Simplify algebraic expression

$$(5 + (-4x) \div (-2)) - (7y + (-9) - 2x) =$$

- a) Solve for $x = 9$, $y = 6$ _____
- b) Solve for $x = 3$, $y = 5$ _____
- c) Solve for $x = 0$, $y = 2$ _____

4) Simplify algebraic expression

$$(((2x \times (-8)) \times 0)) \times 6x + (-1x) - (1 - 20z) =$$

- a) Solve for $z = 0$, $x = 8$ _____
- b) Solve for $z = 0$, $x = 7$ _____
- c) Solve for $z = 0$, $x = 2$ _____

1) Simplify algebraic expression

$$(3y - 0x) + 4x + (7y - 0x + 3y) =$$

- a) Solve for $x = 2$, $y = 0$ _____
- b) Solve for $x = 0$, $y = 0$ _____
- c) Solve for $x = 1$, $y = 1$ _____

2) Simplify algebraic expression

$$(0y - (-8x)) + (-6) + (0y + (-5x)) - 2 =$$

- a) Solve for $x = 6$, $y = 9$ _____
- b) Solve for $x = 4$, $y = 5$ _____
- c) Solve for $x = 1$, $y = 2$ _____

3) Simplify algebraic expression

$$(1 \times 9y) \times 1 \div (2 \div (-2) - 2) =$$

- a) Solve for $y = 3$ _____
- b) Solve for $y = 0$ _____
- c) Solve for $y = 1$ _____

4) Simplify algebraic expression

$$(((4 \div 2) - 1) + 40x \div 8 - 10y + (-10) + 6) =$$

- a) Solve for $x = 8$, $y = 4$ _____
- b) Solve for $x = 0$, $y = 0$ _____
- c) Solve for $x = 6$, $y = 3$ _____

1) Simplify algebraic expression

$$((9x - 0y + x + 9x)) - (10x - 0x) =$$

- a) Solve for $x = 0$, $y = 2$ _____
- b) Solve for $x = 0$, $y = 3$ _____
- c) Solve for $x = 2$, $y = 4$ _____

2) Simplify algebraic expression

$$(5 + 8) + (-5) + (-1x) + 0 - 11 =$$

- a) Solve for $x = 8$ _____
- b) Solve for $x = 4$ _____
- c) Solve for $x = 10$ _____

3) Simplify algebraic expression

$$(4 + (-4)) \div 10 \div ((9y + (-7y))) - 2x =$$

- a) Solve for $x = 3$, $y = 10$ _____
- b) Solve for $x = 3$, $y = 1$ _____
- c) Solve for $x = 3$, $y = 6$ _____

4) Simplify algebraic expression

$$(((63 \div (-9)) - (-9)) + 2z - y \div 4 \times 0 \div 8) =$$

- a) Solve for $z = 3$, $y = 3$ _____
- b) Solve for $z = 3$, $y = 10$ _____
- c) Solve for $z = 3$, $y = 6$ _____



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MATHEMATICS: SUBSTITUTIONS DEMO (D-1)
SOLUTIONS

1	2	3	4
$10x$ a) 10 b) 20 c) 0	$2x$ a) 8 b) 6 c) 4	$6x$ a) 6 b) 12 c) 18	$4x$ a) 20 b) 0 c) 16
5	6	7	8
$4x + 5$ a) 13 b) 9 c) 17	$4x + 4$ a) 20 b) 4 c) 12	$5x + 6$ a) 16 b) 6 c) 11	$9x + 2$ a) 2 b) 11 c) 20
9	10	11	12
$5x + 14y$ a) 14 b) 19 c) 15	$5x + 9y$ a) 10 b) 20 c) 9	$3x + 6y$ a) 18 b) 0 c) 12	$9x + 2y$ a) 13 b) 20 c) 14
13	14	15	16
$10y + z$ a) 12 b) 15 c) 1	$2x + 3y$ a) 7 b) 9 c) 20	$x + 10y$ a) 3 b) 12 c) 1	$x + 8y + 3z$ a) 8 b) 14 c) 9
17	18	19	20
$9x + y - 20$ a) -2 b) 11 c) 7	$7x + 4y - 8$ a) 3 b) 7 c) 8	$8x + 8y - 4$ a) 12 b) 12 c) 20	$7x + 9y - 15$ a) 3 b) 13 c) 6
21	22	23	24
0 a) 0 b) 0 c) 0	x a) 7 b) 3 c) 5	$3x$ a) 3 b) 0 c) 9	0 a) 0 b) 0 c) 0
25	26	27	28
$4x$ a) 4 b) 0 c) 8	0 a) 0 b) 0 c) 0	0 a) 0 b) 0 c) 0	0 a) 0 b) 0 c) 0
29	30	31	32
$x + 7$ a) 7 b) 8 c) 9	$3x$ a) 6 b) 9 c) 3	$3x + 3$ a) 6 b) 9 c) 3	$x + 2$ a) 2 b) 4 c) 8
33	34	35	36
$2x - 4$ a) 2 b) 4 c) 9.45457e-125	$5x - 3$ a) -3 b) 2 c) 7	$8x - 7$ a) 9 b) 1 c) -7	$3x - 7$ a) 5 b) -1 c) -4

MATHEMATICS: SUBSTITUTIONS DEMO (D-1)
SOLUTIONS

37	38	39	40
0 a) 0 b) 0 c) 0	$-9x + 19$ a) -8 b) 10 c) 1	0 a) 0 b) 0 c) 0	$-4x + 14$ a) -2 b) -6 c) -10
41	42	43	44
$10x$ a) 10 b) 10 c) 10	$8x$ a) 8 b) 8 c) 8	$2x + 2y$ a) 2 b) 10 c) 4	$3y$ a) 3 b) 6 c) 9
45	46	47	48
y a) 5 b) 7 c) 7	$7z$ a) 7 b) 7 c) 7	8 a) 8 b) 8 c) 8	$2x$ a) 10 b) 4 c) 8
49	50	51	52
0 a) 0 b) 0 c) 0	0 a) 0 b) 0 c) 0	0 a) 0 b) 0 c) 0	-1 a) -1 b) -1 c) -1
53	54	55	56
0 a) 0 b) 0 c) 0	$-2x - 4$ a) -10 b) -6 c) -8	$3y - 10$ a) -1 b) -10 c) -1	7 a) 7 b) 7 c) 7
57	58	59	60
$5z$ a) 10 b) 10 c) 0	0 a) 0 b) 0 c) 0	$-3x + 5y + 3z$ a) -7 b) 8 c) -4	$5y + 7z - 3$ a) -3 b) 9 c) 7
61	62	63	64
$3y - 4z + 9$ a) -7 b) 4 c) 1	$-7y + 8$ a) 8 b) 1 c) -6	0 a) 0 b) 0 c) 0	$x - 8$ a) -8 b) 1.89091e-124 c) 1.89091e-124

MATHEMATICS: SUBSTITUTIONS DEMO (D-1)
SOLUTIONS: TEST 1

1	2	3	4
$13x + y$ a) 10 b) 0 c) 13	$-15y + 10$ a) -5 b) 10 c) -20	$4x - 7y + 14$ a) 8 b) -9 c) 1.89091e-124	$-x + 20z - 1$ a) -9 b) -8 c) -3

MATHEMATICS: SUBSTITUTIONS DEMO (D-1)
SOLUTIONS: TEST 2

1	2	3	4
$4x + 13y$ a) 8 b) 0 c) 17	$3x - 8$ a) 10 b) 4 c) -5	$-3y$ a) -9 b) 0 c) -3	$5x - 10y - 3$ a) -3 b) -3 c) -3

MATHEMATICS: SUBSTITUTIONS DEMO (D-1)
SOLUTIONS: TEST 3

1	2	3	4
$9x$ a) 0 b) 0 c) 18	$-x - 3$ a) -11 b) -7 c) -13	$-2x$ a) -6 b) -6 c) -6	$2z + 2$ a) 8 b) 8 c) 8