

Mathematics: Substitutions Demo

Demo - Set 4

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1) Simplify algebraic expression

$$5x - 5x + 7x + 2x =$$

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

2) Simplify algebraic expression

$$2x + 2x + 9x - 6x =$$

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

3) Simplify algebraic expression

$$9x - 6x + 3x - 2x =$$

- a) Solve for $x = 4$ _____
- b) Solve for $x = 5$ _____
- c) Solve for $x = 1$ _____

4) Simplify algebraic expression

$$3x + 7x - 9x + 7x =$$

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

5) Simplify algebraic expression

$$(x + 2) - 1 + 8 + 5 - 4 =$$

- a) Solve for $x = 3$ _____
- b) Solve for $x = 2$ _____
- c) Solve for $x = 8$ _____

6) Simplify algebraic expression

$$(4 - 2) + 5 + 9x - 2x - x =$$

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

7) Simplify algebraic expression

$$6x + 5 + (8 - 5) - 2 - 1 =$$

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

8) Simplify algebraic expression

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

- a) Solve for $x = 7$ _____
- b) Solve for $x = 10$ _____
- c) Solve for $x = 0$ _____

9) Simplify algebraic expression

$$((9x + 3x + x)) + 7y - 0x - 5y =$$

- a) Solve for $x = 1$, $y = 2$ _____
- b) Solve for $x = 0$, $y = 7$ _____
- c) Solve for $x = 0$, $y = 4$ _____

10) Simplify algebraic expression

$$(9x - 3x + 10y) - ((5y + 2y) - 2y) =$$

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

11) Simplify algebraic expression

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

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

12) Simplify algebraic expression

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

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

13) Simplify algebraic expression

$$((8y + 7y - 5y - y) - (7y - 0x)) =$$

- a) Solve for $x = 3$, $y = 6$ _____
- b) Solve for $x = 9$, $y = 1$ _____
- c) Solve for $x = 8$, $y = 7$ _____

14) Simplify algebraic expression

$$((0x + 0z) + (10x - 2x)) - (9z - 9z) =$$

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

15) Simplify algebraic expression

$$(7x - 3x) + (0x + 2z - (2z - 0x)) =$$

- a) Solve for $z = 3$, $x = 2$ _____
- b) Solve for $z = 6$, $x = 4$ _____
- c) Solve for $z = 7$, $x = 0$ _____

16) Simplify algebraic expression

$$(7y + 0x + (2y + 9z)) + 2x - 2x =$$

- a) Solve for $z = 1$, $x = 3$, $y = 0$ _____
- b) Solve for $z = 0$, $x = 3$, $y = 0$ _____
- c) Solve for $z = 1$, $x = 7$, $y = 0$ _____

17) Simplify algebraic expression

$$5x - 16 + (-5x) - (-8) - 6y - (-11) =$$

- a) Solve for $x = 10$, $y = 0$ _____
- b) Solve for $x = 3$, $y = 3$ _____
- c) Solve for $x = 1$, $y = 0$ _____

18) Simplify algebraic expression

$$(10 + 9 - 6 + (-7x) - (-3x)) - 7y =$$

- a) Solve for $x = 7$, $y = 0$ _____
- b) Solve for $x = 4$, $y = 1$ _____
- c) Solve for $x = 1$, $y = 2$ _____

19) Simplify algebraic expression

$$(8x + (-2)) - (-3y) + 4y + 7y - 14 =$$

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

20) Simplify algebraic expression

$$(7y + 0x) + 6y - 2y - 5y + (-9) =$$

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

21) Simplify algebraic expression

$$3x + 0x \div ((5x \times 10) - 45x) - x =$$

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

22) Simplify algebraic expression

$$(4x - 4x) + (7x + 0x) - (5x + x) =$$

- a) Solve for $x = 9$ _____
- b) Solve for $x = 10$ _____
- c) Solve for $x = 1$ _____

23) Simplify algebraic expression

$$(10x - 10x) \times 8x \div ((16x \div 2) + 9x) =$$

- a) Solve for $x = 9$ _____
- b) Solve for $x = 4$ _____
- c) Solve for $x = 0$ _____

24) Simplify algebraic expression

$$(7x + 2x - 9x) \times x \times (9x + 5x) =$$

- a) Solve for $x = 9$ _____
- b) Solve for $x = 4$ _____
- c) Solve for $x = 5$ _____

25) Simplify algebraic expression

$$(8x - 8x) \div (10x) \div (10x) \times (24x \div 3) =$$

- a) Solve for $x = 6$ _____
- b) Solve for $x = 10$ _____
- c) Solve for $x = 0$ _____

26) Simplify algebraic expression

$$(6x - x) \div (80x \div 10 - 3x) \times x =$$

- a) Solve for $x = 9$ _____
- b) Solve for $x = 0$ _____
- c) Solve for $x = 1$ _____

27) Simplify algebraic expression

$$7x - 5x - (x \times 2 - 8x + 7x) =$$

- a) Solve for $x = 2$ _____
- b) Solve for $x = 1$ _____
- c) Solve for $x = 10$ _____

28) Simplify algebraic expression

$$(81x \div 9) - 9x + 7x + 4x - 7x =$$

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

29) Simplify algebraic expression

$$12x \div 6 \div (((5x \times 3 - 9x)) \div 6) =$$

- a) Solve for $x = 4$ _____
- b) Solve for $x = 3$ _____
- c) Solve for $x = 7$ _____

30) Simplify algebraic expression

$$(12x \div 2 \times 12 \div (9x) \div (2 - 1)) =$$

- a) Solve for $x = 6$ _____
- b) Solve for $x = 4$ _____
- c) Solve for $x = 8$ _____

31) Simplify algebraic expression

$$((45 \div 9) + 4x) - 3 - (1 \times 1) =$$

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

32) Simplify algebraic expression

$$((3 + x) + 8) - 3 - 2 \div 1 =$$

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

33) Simplify algebraic expression

$$(15 - x) + (-10x) + 10x - (5x + 6) =$$

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

34) Simplify algebraic expression

$$(14 + x) + (-7x) + 0 \div (-1) \times 40x =$$

- a) Solve for $x = 4$ _____
- b) Solve for $x = 1$ _____
- c) Solve for $x = 3$ _____

35) Simplify algebraic expression

$$(0 \div (-1)) \div (3 \times (-4) - (9x - 8x)) =$$

- a) Solve for $x = 4$ _____
- b) Solve for $x = 3$ _____
- c) Solve for $x = 9$ _____

36) Simplify algebraic expression

$$10 - 0x + (8x \div (-2)) - 21 \div (-3) =$$

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

37) Simplify algebraic expression

$$(0 \div (-5)) \div 1 \div (-20) \div (36x \div (-4)) =$$

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

38) Simplify algebraic expression

$$(4x) + (3 \times 1 + (-20)) - 3 =$$

- a) Solve for $x = 7$ _____
- b) Solve for $x = 4$ _____
- c) Solve for $x = 6$ _____

39) Simplify algebraic expression

$$(18 \div 6) - 0 \div 2 \div (4x + (-7x)) =$$

- a) Solve for $x = 8$ _____
- b) Solve for $x = 10$ _____
- c) Solve for $x = 6$ _____

40) Simplify algebraic expression

$$(9 - 0) - 0x \div (50x \div 10) \div (5x) =$$

- a) Solve for $x = 0$ _____
- b) Solve for $x = 6$ _____
- c) Solve for $x = 9$ _____

41) Simplify algebraic expression

$$2y - 0y \div ((40x \div 5 \div (3x - x))) =$$

- a) Solve for $x = 3$, $y = 1$ _____
- b) Solve for $x = 8$, $y = 2$ _____
- c) Solve for $x = 6$, $y = 4$ _____

42) Simplify algebraic expression

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

- a) Solve for $x = 6$, $y = 1$ _____
- b) Solve for $x = 3$, $y = 1$ _____
- c) Solve for $x = 8$, $y = 2$ _____

43) Simplify algebraic expression

$$(2x \times 5) - 0y \div (8y + 4y) \times 0x =$$

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

44) Simplify algebraic expression

$$(49y \div 7) - 0y \div (9x) \times 15x - 5y =$$

- a) Solve for $x = 1$, $y = 4$ _____
- b) Solve for $x = 9$, $y = 2$ _____
- c) Solve for $x = 7$, $y = 1$ _____

45) Simplify algebraic expression

$$(63x \div 7) - 0y \div ((2y \div 1)) \times 0y =$$

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

46) Simplify algebraic expression

$$6x + 4z - (7x + 2z - 5x) + 2x =$$

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

47) Simplify algebraic expression

$$(2y \times 8 - 10y + x) + (3 \times 0) =$$

- a) Solve for $x = 3$, $y = 1$ _____
- b) Solve for $x = 2$, $y = 0$ _____
- c) Solve for $x = 9$, $y = 0$ _____

48) Simplify algebraic expression

$$(7x + 6x - 5x + 0y - 0x \div 3) =$$

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

49) Simplify algebraic expression

$$(0 \times 4x) \times 56 \times (3 \div (-3) - 1) =$$

- a) Solve for $x = 3$ _____
- b) Solve for $x = 8$ _____
- c) Solve for $x = 1$ _____

50) Simplify algebraic expression

$$(90x \div (-10)) + 8x - 7 - (1 \times (-6y)) =$$

- a) Solve for $x = 4$, $y = 3$ _____
- b) Solve for $x = 8$, $y = 2$ _____
- c) Solve for $x = 10$, $y = 3$ _____

51) Simplify algebraic expression

$$(10 - 13) \times 0 \div ((60 \div (-10) - (-5x))) =$$

- a) Solve for $x = 10$ _____
- b) Solve for $x = 8$ _____
- c) Solve for $x = 0$ _____

52) Simplify algebraic expression

$$(2y + 10x) - (5y - (-6x)) + y \times (-8) =$$

- a) Solve for $x = 8$, $y = 2$ _____
- b) Solve for $x = 9$, $y = 4$ _____
- c) Solve for $x = 3$, $y = 1$ _____

53) Simplify algebraic expression

$$0x \times 0 \div ((7x \times 0 + (-4y))) - y =$$

- a) Solve for $x = 2$, $y = 5$ _____
- b) Solve for $x = 6$, $y = 8$ _____
- c) Solve for $x = 5$, $y = 5$ _____

54) Simplify algebraic expression

$$5x + 8 - (4y + 4x + (-10)) - 9y =$$

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

55) Simplify algebraic expression

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

- a) Solve for $x = 1$, $y = 5$ _____
- b) Solve for $x = 5$, $y = 7$ _____
- c) Solve for $x = 4$, $y = 10$ _____

56) Simplify algebraic expression

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

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

57) Simplify algebraic expression

$$((8y + 10 - 7 + 5z)) - (1 - (-5z) - 20z \div (-5)) =$$

- a) Solve for $z = 9$, $y = 4$ _____
- b) Solve for $z = 10$, $y = 5$ _____
- c) Solve for $z = 3$, $y = 0$ _____

58) Simplify algebraic expression

$$(14 \div (-2)) \times 0y \times (-4) + (((0 \div 10 + (-2)))) \times 2y =$$

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

59) Simplify algebraic expression

$$9 \times (-1z) \times (((54y \div (-6) + 3y \div (-3)))) + 1 \div 1 =$$

- a) Solve for $z = 9$, $y = 0$ _____
- b) Solve for $z = 5$, $y = 0$ _____
- c) Solve for $z = 0$, $y = 9$ _____

60) Simplify algebraic expression

$$((0 + 8 + (-9) + (-10x) + 5y - (-10x) \div (0z + (-1)))) =$$

- a) Solve for $z = 0$, $x = 0$, $y = 2$ _____
- b) Solve for $z = 7$, $x = 1$, $y = 3$ _____
- c) Solve for $z = 6$, $x = 1$, $y = 3$ _____

61) Simplify algebraic expression

$$(28x \div (-4)) + (((8 - (-10y) \div (10y)))) \times (0 \times (-5z)) \div (-3) =$$

- a) Solve for $z = 5$, $x = 0$, $y = 4$ _____
- b) Solve for $z = 7$, $x = 0$, $y = 1$ _____
- c) Solve for $z = 3$, $x = 0$, $y = 2$ _____

62) Simplify algebraic expression

$$(((10 - 3y + 0z))) + 10y - ((5z + (-2)) - (-8x) - 9y) =$$

- a) Solve for $z = 10$, $x = 6$, $y = 6$ _____
- b) Solve for $z = 9$, $x = 0$, $y = 2$ _____
- c) Solve for $z = 0$, $x = 4$, $y = 1$ _____

63) Simplify algebraic expression

$$(((1 + 5z + 2) + z - 7)) + 63 \div (-7) - (-2x) =$$

- a) Solve for $z = 1$, $x = 5$ _____
- b) Solve for $z = 0$, $x = 7$ _____
- c) Solve for $z = 0$, $x = 6$ _____

64) Simplify algebraic expression

$$(4 + (-3x) \div (-1)) - (((8z \div (-2)) + 7y) \times (2 + (-1z))) =$$

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

1) Simplify algebraic expression

$$((4x - 4x) - 2x + 2x + 10x - 6x) =$$

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

2) Simplify algebraic expression

$$(3y - (-5y)) - (6y - 7y) - (9x + (-1)) =$$

- a) Solve for $x = 6$, $y = 6$ _____
- b) Solve for $x = 10$, $y = 8$ _____
- c) Solve for $x = 6$, $y = 8$ _____

3) Simplify algebraic expression

$$(8 \div 2) + (-9) - 0y \div 5 + 2 =$$

- a) Solve for $y = 3$ _____
- b) Solve for $y = 4$ _____
- c) Solve for $y = 9$ _____

4) Simplify algebraic expression

$$(5x \div (-5)) - (0x - 16) \times (((2z \times 9) \times 0) \div (-4z)) =$$

- a) Solve for $z = 8$, $x = 3$ _____
- b) Solve for $z = 4$, $x = 10$ _____
- c) Solve for $z = 10$, $x = 10$ _____

1) Simplify algebraic expression

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

- a) Solve for $x = 10$, $y = 5$ _____
- b) Solve for $x = 8$, $y = 1$ _____
- c) Solve for $x = 6$, $y = 9$ _____

2) Simplify algebraic expression

$$(6x + (-4)) - (x - 9y - 6 + 9x) =$$

- a) Solve for $x = 10$, $y = 6$ _____
- b) Solve for $x = 10$, $y = 4$ _____
- c) Solve for $x = 5$, $y = 1$ _____

3) Simplify algebraic expression

$$(7y \times 10) \div 10 - (10y \div 10) - 2 =$$

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

4) Simplify algebraic expression

$$5y + 10y - 12 \times (((10z + 6 - 6z) - 9) \times 0) =$$

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

1) Simplify algebraic expression

$$(7y - 4y) - ((0x + 2x) - 6x + 4x) =$$

- a) Solve for $x = 5$, $y = 1$ _____
- b) Solve for $x = 3$, $y = 0$ _____
- c) Solve for $x = 7$, $y = 5$ _____

2) Simplify algebraic expression

$$(3y - 0y + 8) + (7 - 6y - (-5)) =$$

- a) Solve for $y = 9$ _____
- b) Solve for $y = 3$ _____
- c) Solve for $y = 10$ _____

3) Simplify algebraic expression

$$(10 + (-2) - 9) - (10 + 0x + (-3)) =$$

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

4) Simplify algebraic expression

$$(((8 \div (-1)) \times 0 \times (-6z) \div (-5) \div (-4y))) + 20 \div 4 =$$

- a) Solve for $z = 4$, $y = 2$ _____
- b) Solve for $z = 0$, $y = 6$ _____
- c) Solve for $z = 0$, $y = 8$ _____



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MATHEMATICS: SUBSTITUTIONS DEMO (D-4)
SOLUTIONS

1	2	3	4
$9x$ a) 0 b) 9 c) 18	$7x$ a) 14 b) 0 c) 7	$4x$ a) 16 b) 20 c) 4	$8x$ a) 8 b) 0 c) 16
5	6	7	8
$x + 10$ a) 13 b) 12 c) 18	$6x + 7$ a) 7 b) 13 c) 19	$6x + 5$ a) 5 b) 11 c) 17	2 a) 2 b) 2 c) 2
9	10	11	12
$13x + 2y$ a) 17 b) 14 c) 8	$6x + 5y$ a) 0 b) 6 c) 11	$8x + 8y$ a) 8 b) 0 c) 16	$8x + 6y$ a) 6 b) 8 c) 0
13	14	15	16
$2y$ a) 12 b) 2 c) 14	$8x$ a) 0 b) 16 c) 0	$4x$ a) 8 b) 16 c) 0	$9y + 9z$ a) 9 b) 0 c) 9
17	18	19	20
$-6y + 3$ a) 3 b) -15 c) 3	$-4x - 7y + 13$ a) -15 b) -10 c) -5	$8x + 14y - 16$ a) 3.78183e-124 b) 12 c) 16	$6y - 9$ a) -9 b) 3 c) 3
21	22	23	24
$2x$ a) 6 b) 4 c) 8	x a) 9 b) 10 c) 1	0 a) 0 b) 0 c) 0	0 a) 0 b) 0 c) 0
25	26	27	28
0 a) 0 b) 0 c) 0	x a) 9 b) 0 c) 1	x a) 2 b) 1 c) 10	$4x$ a) 0 b) 4 c) 8
29	30	31	32
2 a) 2 b) 2 c) 2	8 a) 8 b) 8 c) 8	$4x + 1$ a) 1 b) 9 c) 5	$x + 6$ a) 7 b) 8 c) 6
33	34	35	36
$-6x + 9$ a) 9 b) -9 c) -3	$-6x + 14$ a) -10 b) 8 c) -4	0 a) 0 b) 0 c) 0	$-4x + 17$ a) -3 b) 1 c) 5

MATHEMATICS: SUBSTITUTIONS DEMO (D-4)
SOLUTIONS

37	38	39	40
0 a) 0 b) 0 c) 0	$4x - 20$ a) 8 b) -4 c) 4	3 a) 3 b) 3 c) 3	9 a) 9 b) 9 c) 9
41	42	43	44
$2y$ a) 2 b) 4 c) 8	$5y$ a) 5 b) 5 c) 10	$10x$ a) 10 b) 10 c) 10	$2y$ a) 8 b) 4 c) 2
45	46	47	48
$9x$ a) 9 b) 9 c) 9	$6x + 2z$ a) 6 b) 8 c) 6	$x + 6y$ a) 9 b) 2 c) 9	$8x$ a) 8 b) 8 c) 8
49	50	51	52
0 a) 0 b) 0 c) 0	$-x + 6y - 7$ a) 7 b) -3 c) 1	0 a) 0 b) 0 c) 0	$4x - 11y$ a) 10 b) -8 c) 1
53	54	55	56
$-y$ a) -5 b) -8 c) -5	$x - 13y + 18$ a) -6 b) 10 c) 7	$-x - 5$ a) -6 b) -10 c) -9	$10x + y - 7$ a) 4 b) 3 c) 5
57	58	59	60
$8y - 4z + 2$ a) -2 b) 2 c) -10	$-4y$ a) -8 b) 0 c) -4	$90yz + 1$ a) 1 b) 1 c) 1	$-20x + 5y - 1$ a) 9 b) -6 c) -6
61	62	63	64
$-7x$ a) 0 b) 0 c) 0	$-8x + 16y - 5z + 12$ a) 10 b) -1 c) -4	$2x + 6z - 13$ a) 3 b) 1 c) -1	$3x + 7yz - 14y - 4z^2 + 8z + 4$ a) 10 b) 4 c) 10

MATHEMATICS: SUBSTITUTIONS DEMO (D-4)
SOLUTIONS: TEST 1

1	2	3	4
$4x$ a) 12 b) 0 c) 8	$-9x + 9y + 1$ a) 1 b) -17 c) 19	-3 a) -3 b) -3 c) -3	$-x$ a) -3 b) -10 c) -10

MATHEMATICS: SUBSTITUTIONS DEMO (D-4)
SOLUTIONS: TEST 2

1	2	3	4
0	$-4x + 9y + 2$	$6y - 2$	$15y$
a) 0	a) 16	a) 4	a) 0
b) 0	b) -2	b) -2	b) 0
c) 0	c) -9	c) 10	c) 0

MATHEMATICS: SUBSTITUTIONS DEMO (D-4)
SOLUTIONS: TEST 3

1	2	3	4
$3y$ a) 3 b) 0 c) 15	$-3y + 20$ a) -7 b) 11 c) -10	-8 a) -8 b) -8 c) -8	5 a) 5 b) 5 c) 5