

Mathematics: Substitutions Demo

Demo - Set 5

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1) Simplify algebraic expression

$$3x - 3x + 9x - 0x =$$

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

2) Simplify algebraic expression

$$8x - 2x + 0x + x =$$

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

3) Simplify algebraic expression

$$9x + 4x - 4x - x =$$

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

4) Simplify algebraic expression

$$10x - 6x + 10x - 6x =$$

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

5) Simplify algebraic expression

$$(9x + 2x) + 4 - 6x + (9x - 8x) =$$

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

6) Simplify algebraic expression

$$9 - 6 + (9x - 7x) + (4 + 2) =$$

- a) Solve for $x = 2$ _____
- b) Solve for $x = 4$ _____
- c) Solve for $x = 5$ _____

7) Simplify algebraic expression

$$(8 - 1) + 3x - (6 - 2) + 1 =$$

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

8) Simplify algebraic expression

$$4 - 1 + (9x - 8x + 5x) - x =$$

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

9) Simplify algebraic expression

$$6x - 6x + (9x + 3x) + 2y - 2x =$$

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

10) Simplify algebraic expression

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

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

11) Simplify algebraic expression

$$9x + 8y - 6x - y - (8x - 5x) =$$

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

12) Simplify algebraic expression

$$0x - 0y + 9y + 9x - 4y + 5x =$$

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

13) Simplify algebraic expression

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

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

14) Simplify algebraic expression

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

- a) Solve for $z = 1$, $x = 2$, $y = 0$ _____
- b) Solve for $z = 1$, $x = 5$, $y = 8$ _____
- c) Solve for $z = 0$, $x = 2$, $y = 2$ _____

15) Simplify algebraic expression

$$(7x + 3x - 8x) + ((10z + 10x - 9z)) =$$

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

16) Simplify algebraic expression

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

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

17) Simplify algebraic expression

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

- a) Solve for $x = 3$, $y = 7$ _____
- b) Solve for $x = 1$, $y = 9$ _____
- c) Solve for $x = 4$, $y = 9$ _____

18) Simplify algebraic expression

$$(1 + 8x) - 3y + (-1x) + (10x + 2x) =$$

- a) Solve for $x = 0$, $y = 6$ _____
- b) Solve for $x = 1$, $y = 3$ _____
- c) Solve for $x = 1$, $y = 10$ _____

19) Simplify algebraic expression

$$(2 + 0 - 5x + 5y) + (-3) - 6y =$$

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

20) Simplify algebraic expression

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

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

21) Simplify algebraic expression

$$(8x + 6x - 2x) - (9x - 6x \times 0) =$$

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

22) Simplify algebraic expression

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

- a) Solve for $x = 7$ _____
- b) Solve for $x = 10$ _____
- c) Solve for $x = 9$ _____

23) Simplify algebraic expression

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

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

24) Simplify algebraic expression

$$(7x - 2x) + 9x - 8x + 6x - 8x =$$

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

25) Simplify algebraic expression

$$(8x - 6x) - (6x + 6x) \times 0x \times 0x =$$

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

26) Simplify algebraic expression

$$(10x \div 1 + 7x - 7x) - 4x - 4x =$$

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

27) Simplify algebraic expression

$$(72x \div 9 - 8x - 0x) \times 5x \div (72x) =$$

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

28) Simplify algebraic expression

$$0 \div 2 \div ((5x + 10x)) + 4x \div x =$$

- a) Solve for $x = 9$ _____
- b) Solve for $x = 1$ _____
- c) Solve for $x = 3$ _____

29) Simplify algebraic expression

$$9 - 2 + ((7x - 3x) \div ((10x - 8x))) =$$

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

30) Simplify algebraic expression

$$((8 \div 8) \times 4 \times 9x \div 9 + 2) =$$

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

31) Simplify algebraic expression

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

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

32) Simplify algebraic expression

$$((2 \times 2x \div x)) + (5 - 1 - 1) =$$

- a) Solve for $x = 3$ _____
- b) Solve for $x = 9$ _____
- c) Solve for $x = 6$ _____

33) Simplify algebraic expression

$$(6x + 10) - (2x \times 4) - (6 \div (-2)) =$$

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

34) Simplify algebraic expression

$$(6x + 6x \div (-3) + (-2x) - 15 - (-3)) =$$

- a) Solve for $x = 9$ _____
- b) Solve for $x = 8$ _____
- c) Solve for $x = 10$ _____

35) Simplify algebraic expression

$$8x - (-1x) + (0x \times (-5) \div 19) + (-10) =$$

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

36) Simplify algebraic expression

$$(2 + 0x \div (-7x)) + 0x \div (9x - 4x) =$$

- a) Solve for $x = 3$ _____
- b) Solve for $x = 8$ _____
- c) Solve for $x = 6$ _____

37) Simplify algebraic expression

$$(90 \div (-9) + 6) + (9 - (-1x)) - 8 =$$

- a) Solve for $x = 2$ _____
- b) Solve for $x = 9$ _____
- c) Solve for $x = 7$ _____

38) Simplify algebraic expression

$$(3 + (-19)) - (-17) + (4x + 9) + (-12) =$$

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

39) Simplify algebraic expression

$$10x \times 0x \div ((x + 5 - (-1x))) \div 6 =$$

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

40) Simplify algebraic expression

$$(0 \div 4) \div (-18) \div ((3x - (-3x))) - 3x =$$

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

41) Simplify algebraic expression

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

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

42) Simplify algebraic expression

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

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

43) Simplify algebraic expression

$$(10y - 8y \times 0y) \div ((2y - 0y \times y)) =$$

- a) Solve for $y = 7$ _____
- b) Solve for $y = 9$ _____
- c) Solve for $y = 8$ _____

44) Simplify algebraic expression

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

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

45) Simplify algebraic expression

$$(10z - 7z + 3x) + 0x + 6z + 8z =$$

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

46) Simplify algebraic expression

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

- a) Solve for $z = 1$, $x = 1$, $y = 7$ _____
- b) Solve for $z = 2$, $x = 0$, $y = 10$ _____
- c) Solve for $z = 1$, $x = 0$, $y = 5$ _____

47) Simplify algebraic expression

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

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

48) Simplify algebraic expression

$$(z + 8y) - 2z + 0y + (3z - z) =$$

- a) Solve for $z = 8$, $y = 0$ _____
- b) Solve for $z = 2$, $y = 1$ _____
- c) Solve for $z = 6$, $y = 0$ _____

49) Simplify algebraic expression

$$(6 \times 0) \times 9y \div (4 \times (-4)) =$$

- a) Solve for $y = 2$ _____
- b) Solve for $y = 10$ _____
- c) Solve for $y = 3$ _____

50) Simplify algebraic expression

$$36x \div (-4) \div ((11 - 11 - x)) \div (-1) =$$

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

51) Simplify algebraic expression

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

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

52) Simplify algebraic expression

$$(6y - 5y) - 0y \times 6y \times (32y \div 4) =$$

- a) Solve for $y = 5$ _____
- b) Solve for $y = 1$ _____
- c) Solve for $y = 3$ _____

53) Simplify algebraic expression

$$(1 + 5y) + 3 + (-6x) - 4x + (-1x) =$$

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

54) Simplify algebraic expression

$$(54x \div 6 + (-2y)) + 1 - 0y \times (-3) =$$

- a) Solve for $x = 2$, $y = 10$ _____
- b) Solve for $x = 1$, $y = 3$ _____
- c) Solve for $x = 2$, $y = 5$ _____

55) Simplify algebraic expression

$$y + 10y + (8x - 3) - 24y \div 4 =$$

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

56) Simplify algebraic expression

$$(8x + (-1y) - 10) \times (0 \times 7) \div (-18) =$$

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

57) Simplify algebraic expression

$$((0x \times (-3x) + (10z + 7z + 30y \div (-3))) - (7z - (-6x))) =$$

- a) Solve for $z = 5$, $x = 3$, $y = 3$ _____
- b) Solve for $z = 4$, $x = 0$, $y = 3$ _____
- c) Solve for $z = 10$, $x = 1$, $y = 9$ _____

58) Simplify algebraic expression

$$(z + (-3x) - (-10)) \times (7 + (-5) \div 5 - 6) - 9 =$$

- a) Solve for $z = 6$, $x = 0$ _____
- b) Solve for $z = 8$, $x = 4$ _____
- c) Solve for $z = 6$, $x = 5$ _____

59) Simplify algebraic expression

$$(1z + (-7)) + (-3y) - (((72 \div (-8)) \div 3) + 0) - 5 =$$

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

60) Simplify algebraic expression

$$6 \div (-6) + 0x - 15z \div (-3) + (((9 + (-8y) + 5x))) =$$

- a) Solve for $z = 2$, $x = 8$, $y = 6$ _____
- b) Solve for $z = 9$, $x = 1$, $y = 7$ _____
- c) Solve for $z = 9$, $x = 3$, $y = 8$ _____

61) Simplify algebraic expression

$$(7 - (-4x) \times (6y \times 0 \times (10 - 7x)) - 30x \div 5) =$$

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

62) Simplify algebraic expression

$$(((0 \div (-9)) \div (-19) \div (-7z) \div (-1) \div ((2z - 20 - (-6)))) =$$

- a) Solve for $z = 5$ _____
- b) Solve for $z = 8$ _____
- c) Solve for $z = 3$ _____

63) Simplify algebraic expression

$$60z \div (-10) \times 0z + 8y - (((42z \div 7) - 3z) - (-3)) =$$

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

64) Simplify algebraic expression

$$(1 + 9z + (4 \div 4) \times (-3)) - (((2x \times (-1) - z))) =$$

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

1) Simplify algebraic expression

$$8x + y + 2x - ((9x + x) - 3x) =$$

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

2) Simplify algebraic expression

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

- a) Solve for $x = 1$, $y = 5$ _____
- b) Solve for $x = 1$, $y = 4$ _____
- c) Solve for $x = 3$, $y = 10$ _____

3) Simplify algebraic expression

$$(49 \div (-7)) + 27y \div 9 \div (8 + (-7)) =$$

- a) Solve for $y = 5$ _____
- b) Solve for $y = 2$ _____
- c) Solve for $y = 3$ _____

4) Simplify algebraic expression

$$(((0 \times (-9) \div (-3z))) \div 7) \div (2x) - 3 - (-2y) \times 0 =$$

- a) Solve for $z = 5$, $x = 3$, $y = 1$ _____
- b) Solve for $z = 2$, $x = 6$, $y = 10$ _____
- c) Solve for $z = 7$, $x = 9$, $y = 10$ _____

1) Simplify algebraic expression

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

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

2) Simplify algebraic expression

$$(4y - (-2)) - 5 - 14 + (1 + 9) =$$

- a) Solve for $y = 3$ _____
- b) Solve for $y = 1$ _____
- c) Solve for $y = 5$ _____

3) Simplify algebraic expression

$$(9y - x) + (0 \times (-5)) \div (3 \times (-10)) =$$

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

4) Simplify algebraic expression

$$2z + 8 \div (-2) \times (30z \div (-6)) \times (((4 \times (-2y) - (-6)))) =$$

- a) Solve for $z = 0$, $y = 3$ _____
- b) Solve for $z = 0$, $y = 8$ _____
- c) Solve for $z = 0$, $y = 0$ _____

1) Simplify algebraic expression

$$((10x + 8y) - 10x + 7y - (4y - 2y)) =$$

- a) Solve for $x = 10$, $y = 1$ _____
- b) Solve for $x = 4$, $y = 1$ _____
- c) Solve for $x = 7$, $y = 0$ _____

2) Simplify algebraic expression

$$10 + (-10) + (8y - 6x + 15 + 3) =$$

- a) Solve for $x = 5$, $y = 4$ _____
- b) Solve for $x = 5$, $y = 3$ _____
- c) Solve for $x = 6$, $y = 2$ _____

3) Simplify algebraic expression

$$(5x - 0y - 4x) \times 64 \div 8 - 3y =$$

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

4) Simplify algebraic expression

$$((2z - 8x - (8 \times 5y) \div 10) \times 0 \times (-2)) + 10x =$$

- a) Solve for $z = 2$, $x = 0$, $y = 10$ _____
- b) Solve for $z = 1$, $x = 0$, $y = 1$ _____
- c) Solve for $z = 0$, $x = 0$, $y = 5$ _____



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MATHEMATICS: SUBSTITUTIONS DEMO (D-5)
SOLUTIONS

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

MATHEMATICS: SUBSTITUTIONS DEMO (D-5)
SOLUTIONS

37	38	39	40
$x - 3$ a) -1 b) 6 c) 4	$4x - 2$ a) 10 b) 2 c) 6	0 a) 0 b) 0 c) 0	$-3x$ a) 0 b) -3 c) -9
41	42	43	44
$9y$ a) 9 b) 9 c) 9	$4y$ a) 4 b) 4 c) 4	5 a) 5 b) 5 c) 5	$3x + 5y$ a) 3 b) 9 c) 8
45	46	47	48
$3x + 17z$ a) 9 b) 6 c) 3	$4z$ a) 4 b) 8 c) 4	$10y$ a) 10 b) 10 c) 10	$8y + z$ a) 8 b) 10 c) 6
49	50	51	52
0 a) 0 b) 0 c) 0	-9 a) -9 b) -9 c) -9	$-10x + 5y + 13$ a) 3 b) -2 c) -7	y a) 5 b) 1 c) 3
53	54	55	56
$-11x + 5y + 4$ a) 7.56366e-124 b) -3 c) -8	$9x - 2y + 1$ a) -1 b) 4 c) 9	$8x + 5y - 3$ a) 10 b) 2 c) 7	0 a) 0 b) 0 c) 0
57	58	59	60
$-6x - 10y + 10z$ a) 2 b) 10 c) 4	-9 a) -9 b) -9 c) -9	$-3y + z - 9$ a) -6 b) -9 c) -8	$5x - 8y + 5z + 8$ a) 10 b) 2 c) 4
61	62	63	64
$-6x + 7$ a) -5 b) -5 c) 7	0 a) 0 b) 0 c) 0	$8y - 3z - 3$ a) 3 b) 2 c) -5	$2x + 10z - 2$ a) 10 b) 8 c) 10

MATHEMATICS: SUBSTITUTIONS DEMO (D-5)
SOLUTIONS: TEST 1

1	2	3	4
$3x + y$ a) 12 b) 8 c) 14	$-4x + 3$ a) -1 b) -1 c) -9	$3y - 7$ a) 8 b) -1 c) 2	-3 a) -3 b) -3 c) -3

MATHEMATICS: SUBSTITUTIONS DEMO (D-5)
SOLUTIONS: TEST 2

1	2	3	4
$x + 7y$ a) 9 b) 14 c) 12	$4y - 7$ a) 5 b) -3 c) 13	$-x + 9y$ a) -1 b) 9 c) 8	$-160yz + 122z$ a) 0 b) 0 c) 0

MATHEMATICS: SUBSTITUTIONS DEMO (D-5)
SOLUTIONS: TEST 3

1	2	3	4
$13y$ a) 13 b) 13 c) 0	$-6x + 8y + 18$ a) 20 b) 12 c) -2	$8x - 3y$ a) -8 b) 8 c) 9	$10x$ a) 0 b) 0 c) 0