3. (1 point)

Is 8 a solution for x in the equation $6x+9=-39$?

- Yes
- No

Correct Answers:

- No

6. (1 point)

Is 5 a solution for y in the equation $7(y+1)=6(y+2)$?

- Yes
- No

Correct Answers:

- Yes

9. (1 point)

Solve the following linear equation; the answer could be in the form **x =** ___ , **no solution**, or **all real numbers**.

$x+9=12$

Correct Answers:

- x = 3

12. (1 point)

Solve the following linear equation; the answer could be in the form **t =** ___ , **no solution**, or **all real numbers**.

$t+41=0$

Correct Answers:

- t = -41

15. (1 point)

Solve the following linear equation; the answer could be in the form **x =** ___ , **no solution**, or **all real numbers**.

$-3=-6+x$

Correct Answers:

- x = 3

18. (1 point)

Solve the following linear equation; the answer could be in the form **t =** ___ , **no solution**, or **all real numbers**.

$0=t-3$

Correct Answers:

- t = 3

21. (1 point)

Solve the following linear equation; the answer could be in the form **x =** ___ , **no solution**, or **all real numbers**.

$x-(-7)=9$

Correct Answers:

- x = 2

24. (1 point)

Solve the following linear equation; the answer could be in the form **y =** ___ , **no solution**, or **all real numbers**.

$\frac{2}{3}=y-\frac{4}{9}$

Correct Answers:

- y = 10/9

27. (1 point)

Solve the following linear equation; the answer could be in the form **r =** ___ , **t =** ___ , **no solution**, or **all real numbers**.

a. $8r=64$

b. $8+t=64$

Correct Answers:

- r = 8
- t = 56

30. (1 point)

Solve the following linear equation; the answer could be in the form **t =** ___ , **no solution**, or **all real numbers**.

$$25 = -5t$$

Correct Answers:

- `t = -5`

33. (1 point)

Solve the following linear equation; the answer could be in the form **B =** ___ , **no solution**, or **all real numbers**.

$$3B = -4$$

Correct Answers:

- `B = -4/3`

36. (1 point)

Solve the following linear equation; the answer could be in the form **c =** ___ , **no solution**, or **all real numbers**.

$$0 = -39c$$

Correct Answers:

- `c = 0`

39. (1 point)

Solve the following linear equation; the answer could be in the form **a =** ___ , **p =** ___ , **no solution**, or **all real numbers**.

a. $-\frac{1}{3}a = 3$

b. $-\frac{1}{3}p = -3$

Correct Answers:

- `a = -9`
- `p = 9`

42. (1 point)

Solve the following linear equation; the answer could be in the form **C =** ___ , **no solution**, or **all real numbers**.

$$\frac{6}{5}C = 4$$

Correct Answers:

- `C = 10/3`

45. (1 point)

Solve the following linear equation; the answer could be in the form **p =** ___ , **no solution**, or **all real numbers**.

$$-78 = 9p + 3$$

Correct Answers:

- `p = -9`

48. (1 point)

Solve the following linear equation; the answer could be in the form **n =** ___ , **no solution**, or **all real numbers**.

$$8 = -n + 4$$

Correct Answers:

- `n = -4`

51. (1 point)

Solve the following linear equation; the answer could be in the form **r =** ___ , **no solution**, or **all real numbers**.

$$10r + 2 = r + 74$$

Correct Answers:

- `r = 8`

54. (1 point)

Solve the following linear equation; the answer could be in the form **c =** ___ , **no solution**, or **all real numbers**.

$$9c + 6c + 2 = 137$$

Correct Answers:

- `c = 9`

57. (1 point)

Solve the following linear equation; the answer could be in the form **m =** ___ , **no solution**, or **all real numbers**.

$$-10 + 9 = -2m - m - 22$$

Correct Answers:

- `m = -7`

60. (1 point)

Solve the following linear equation; the answer could be in the form **C =** ___ , **no solution**, or **all real numbers**.

$$10 - C - C = -7 + (-1)$$

Correct Answers:

- `C = 9`

63. (1 point)

Solve the following linear equation; the answer could be in the form **r =** ___ , **no solution**, or **all real numbers**.

$$6(r+5) = 60$$

Correct Answers:

- `r = 5`

66. (1 point)

Solve the following linear equation; the answer could be in the form **a =** ___ , **no solution**, or **all real numbers**.

$$36 = -2(a-8)$$

Correct Answers:

- `a = -10`

69. (1 point)

Solve the following linear equation; the answer could be in the form **q =** ___ , **no solution**, or **all real numbers**.

$$-3 = -(2-q)$$

Correct Answers:

- `q = -1`

72. (1 point)

Solve the following linear equation; the answer could be in the form **m =** ___ , **no solution**, or **all real numbers**.

$$1 + 6(m+5) = 31$$

Correct Answers:

- `m = 0`

75. (1 point)

Solve the following linear equation; the answer could be in the form **m =** ___ , **no solution**, or **all real numbers**.

$$1 = 9 - (1-m)$$

Correct Answers:

- `m = -7`

78. (1 point)

Solve the following linear equation; the answer could be in the form **b =** ___ , **no solution**, or **all real numbers**.

$$1 + 9(b-10) = -22 - (7-3b)$$

Correct Answers:

- `b = 10`

81. (1 point)

Solve the following linear equation; the answer could be in the form **A =** ___ , **no solution**, or **all real numbers**.

$$\frac{A}{8} + 5 = 10$$

Correct Answers:

- `A = 40`

84. (1 point)

Solve the following linear equation; the answer could be in the form **b =** ___ , **no solution**, or **all real numbers**.

$$3b = \frac{7b}{4} + 10$$

Correct Answers:

- `b = 8`

87. (1 point)

Solve the following linear equation; the answer could be in the form **B =** ___ , **no solution**, or **all real numbers**.

$$\frac{2B}{11} - \frac{21}{11} = -\frac{5}{11}B$$

Correct Answers:

- `B = 3`

90. (1 point)

Solve the following linear equation; the answer could be in the form **C =** ___ , **no solution**, or **all real numbers**.

$$\frac{6C}{7} - 99 = -\frac{3}{2}C$$

Correct Answers:

- `C = 42`

93. (1 point)

Solve the following linear equation; the answer could be in the form **c =** ___ , **no solution**, or **all real numbers**.

$$\frac{c}{2} - 5 = \frac{c}{6} + 1$$

Correct Answers:

- `c = 18`

96. (1 point)

Solve the following linear equation; the answer could be in the form **c =** ___ , **no solution**, or **all real numbers**.

$$-\frac{c}{12} = \frac{10}{3}$$

Correct Answers:

- `c = -40`

99. (1 point)

Solve the following linear equation; the answer could be in the form **m =** ___ , **no solution**, or **all real numbers**.

$$\frac{m-7}{2} = \frac{m+6}{4}$$

Correct Answers:

- `m = 20`

102. (1 point)

Solve the following linear equation; the answer could be in the form **x =** ___ , **no solution**, or **all real numbers**.

$$6x = 6x + 4$$

Correct Answers:

- `no solution`

105. (1 point)

Solve the following linear equation; the answer could be in the form **c =** ___ , **no solution**, or **all real numbers**.

$$-10 - 9c + 6 = -c + 7 - 8c$$

Correct Answers:

- `no solution`

108. (1 point)

Solve the following linear equation; the answer could be in the form **C =** ___ , **no solution**, or **all real numbers**.

$$16 - 3(8 + 3C) = -10C - (8 - C)$$

Correct Answers:

- `all real numbers`

111. (1 point)

a. Solve this linear equations for y.

$$-y + 5 = 1$$

___

b. Solve this linear equations for x.

$$-x + n = t$$

___

Correct Answers:

- `y = 4`
- `x = n-t`

114. (1 point)

a. Solve this linear equations for y.

$$9y + 4 = 49$$

___

b. Solve this linear equations for t.

$$bt + C = c$$

___

Correct Answers:

- `y = 5`
- `t = (c-C)/b`

117. (1 point)

a. Solve this linear equations for y.

$cr+y=p$

____

b. Solve this linear equations for c.

$cr+y=p$

____

Correct Answers:

- `y = p-c*r`
- `c = (p-y)/r`

120. (1 point)

Solve this linear equation for x:

$y=mx-b$

_____

Correct Answers:

- `x = (y+b)/m`

123. (1 point)

Solve this linear equation for h:

$V=\pi r^2 h$

Solution: $h=$ ____

Use **pi** to represent π.

Correct Answers:

- `V/(pi*r^2)`

126. (1 point)

Solve this linear equation for y:

$\frac{y}{6}+t=q$

____

Correct Answers:

- `y = 6*q-6*t`

129. (1 point)

Solve this linear equation for y:

$Ax+By=C$

____

Note that the variables are upper case A, B, and C and lower case x and y.

Correct Answers:

- `y = (C-A*x)/B`