1. Determine the Equation and solve to find the solution.
2. Three times a number. Subtract four. The answer is fourteen.
3. Twice the number than add 12. The answer is forty-four.

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Description | Undo | Result |  | Description | Undo | Result |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

c) Five more than twice a number is seven. d) One less than three times a number is eleven.

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Description | Undo | Result |  | Description | Undo | Result |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

1. Find the solution to the equations.
2. $\frac{x}{4}+3=10$ b) $\frac{3(x-4)}{2}-5=$4

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Description | Undo | Result |  | Description | Undo | Result |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

1. Substitute the variable into the expression to determine the answer.
2. t = 4, 3t -5 b) x = 4, -2 + 5x c) w = -2, 5 – 3w

1. Use algebra to solve each equation. Verify your solution.

a) x + 2 = 3 b) w + 14 = -8 c) -11 = a + 8

d) -13 + h = -5 e) -7 = -16 - k f) y + (-10) = 6

g) m - (-13) = 37 h) z + (-13) = -27 i) -2.3 = x - (+1.1)

j) 2x = -14 k) 3x – 1 = 8 l) 5x + 1 = 31

m) -3 + 2x = 11 n) -2 = 6 + 4x o) 7x = 60 + 2x

p) 3x = 72 – 5x q) 6x - 4 = 20 – 2x r) 6x + 3 = 23 + x

s) - 28 + x = -12 - 3x t) 5x + 11 = 20x – 64 u) 5x + 4 = 2x + 17