



$$2x + 5 = 9$$

$$2x = 9 - 5$$

$$2x = \frac{4}{2}$$

$$x = \underline{\underline{2}}$$

$$5(a+b) - 1 = 9$$

$$5(a+b) = 9 + 1$$

$$5(a+b) = \frac{10}{5}$$

$$a+b = \underline{\underline{2}}$$



3) Non - Calc : 20 pbn - 30 min

4) Calc : 38 pbn → 55 min



1

If $x + 3 = 2x - 2$, what is the value of $x - 4$?

A. 9

B. 5

C. 4

D. 1

$$x - 2x = -2 - 3$$

$$-x = -5$$

$$x - 4$$

$$5 - 4 = 1$$

2

If $\frac{1}{3}(c + d) = \frac{5}{3}$, what is the value of $c + d$?

A) $\frac{3}{5}$ B) $\frac{5}{3}$

C) 3

D) 5

$$5w - 12 = 3w$$

What value of w in the solution of the equation above?

$$5w - 3w = 12$$

$$2w = 12$$

$$w = \frac{12}{2}$$

$$w = 6$$

4

$$2x + 7 = 15$$

What is the solution to the equation above?

$$2x = 15 - 7$$

$$2x = 8$$

$$x = 4$$

5

$$y = 5x + 4$$

Given the equation above, if $y = 12$, what is the value of x ?

$$12 = 5x + 4$$

$$12 - 4 = 5x$$

$$8 = 5x$$

$$\frac{8}{5} = x$$

6

$$\frac{1}{2}x - 700 = 0$$

What value of x satisfies the equation above?

$$\frac{1}{2}x = 700 \times 2$$

$$x = 2(700)$$

$$x = 1400$$



1

If $4t - 10 = 11a$, and $a = -2$, what is the value of $10t - 10$?

- A. -40
 B. -8
 C. -3
 D. 1

$$4t - 10 = 11(-2)$$

shift solve $t = -3$

$$10t - 10$$

$$10(-3) - 10 = -40$$

2

$$2\left(\frac{x}{3} - \frac{1}{4}\right) - 2x = \frac{2}{5}$$

What is the solution to the equation above?

A. $x = -\frac{9}{28}$

B. $x = -\frac{27}{40}$

C. $x = -\frac{27}{10}$

D. $x = -\frac{3}{40}$