<u>One-Step & Two-Step Equations Worksheet</u>

Determine whether the given value of the variable is a solution of the equation. Show the plug-in! ☺

1) $12x + 7 = 3$; $x = 1$ 2) $4m - 10 = 14$; $m = 6$

3) $2x + 3 + x = 9$; $x = 2$ 4) $3m - m - 8 = 2$; $m = 3$

Solve the equations by using inverse operations. Show your work.

5) $n - 36 = 17$ 6) $t - 28 = 54$ 7) $k + 22 = 100$

8) $18 + p = 94$ 9) $q + 13 = 85$ 10) $44 = 16 + n$

11) $4x = 28$ 12) $7y = 49$ 13) $h/9 = 3$

14) m/6 = 3

15) 25m = 75

16) 22y = 88

17) $\dfrac{w}{12} = 7$

18) $\dfrac{q}{3} = 4$

19) 14 = a + 2

20) 9 = b − 26

21) 40 = 5g

22) 6 = r/4

23) $\dfrac{x}{10} = 7$

24) $8 = \dfrac{e}{7}$

25) $\dfrac{a}{3} = 7$

26) $\dfrac{2}{7}x = 16$

27) $\dfrac{6}{5}x = 54$

28) $\dfrac{2}{9}x = 20$

29) $7 = \dfrac{1}{5}x$

30) $81 = \dfrac{9}{2}x$

31) $\dfrac{6}{13}x = 12$

32) $8x + 3 = 19$

33) $4x - 9 = 19$

34) $x/5 - 6 = 24$

35) $\dfrac{x}{7} + 14 = 24$

36) $3x + 10 = 40$

37) $13x - 4 = 61$

38) $x/3 + 5 = 9$

39) $\dfrac{x}{6} - 3 = 12$

40) $2x + 7 = 3$

41) $\dfrac{x}{5} + 3 = 6$