

## Solving 1-Step Equations

Date \_\_\_\_\_ Period \_\_\_\_\_

**CLASS EXAMPLES: Solve each equation - Use a separate sheet of paper to show all of your work.**

1)  $p + 6 = -7$

2)  $-4 = m - 8$

3)  $36 = 9r$

4)  $\frac{a}{2} = 6$

5)  $29.8 = x - (-14.6)$

6)  $\frac{m}{12.5} = 13.1$

**Solve each equation.**

**YOU MUST COPY EACH PROBLEM EXACTLY LIKE IT IS ON A SEPARATE SHEET, DRAW THE LINE, BOX THE VARIABLE, AND SHOW THE EXACT STEPS THAT WE LEARNED.**

7)  $x + (-5) = -19$

8)  $-54 = -6x$

9)  $220 = 20n$

10)  $-48 = 4x$

11)  $-112 = 14m$

12)  $n - (-19) = 18$

13)  $-220 = 11a$

14)  $v - 1 = 9$

15)  $n - 4 = 12$

16)  $6 + n = -10$

17)  $-5.1 + n = -22.3$

18)  $282.37 = -15.1k$

19)  $-35.26 = n + (-17.1)$

20)  $-17.7m = 3.54$

21)  $-87 = 10n$

22)  $15.3 + x = 6$

23)  $\frac{b}{13.6} = 4.9$

24)  $4.2 = \frac{n}{4.7}$

25)  $\frac{x}{8.9} = 14.8$

26)  $n - 18.2 = -22.3$

**SOLVING 2 STEP EQUATIONS - CLASS EXAMPLES: Solve each equation.**

27)  $-34 = 8x - 2$

28)  $130 = -10 + 7r$

29)  $-1.9r - 0.1 = 16.62$

30)  $-7v - 0.5 = -91.5$

**Solve each equation. Use a separate sheet of paper to show all of your work.**

31)  $7x - 6 = -69$

32)  $-110 = -6n - 8$

33)  $-41 = -6 - 7x$

34)  $-57 = -9 - 8x$

35)  $-4 - 9n = 95$

36)  $4 + 3m = -5$

37)  $2p + 4 = -6$

38)  $19 = 5k + 4$

## Answers to Solving 1-Step Equations (ID: 1)

- |                  |                  |                |                 |
|------------------|------------------|----------------|-----------------|
| 1) $\{-13\}$     | 3) $\{4\}$       | 5) $\{15.2\}$  | 7) $\{-14\}$    |
| 9) $\{11\}$      | 11) $\{-8\}$     | 13) $\{-20\}$  | 15) $\{16\}$    |
| 17) $\{-17.2\}$  | 19) $\{-18.16\}$ | 21) $\{-8.7\}$ | 23) $\{66.64\}$ |
| 25) $\{131.72\}$ | 27) $\{-4\}$     | 29) $\{-8.8\}$ | 31) $\{-9\}$    |
| 33) $\{5\}$      | 35) $\{-11\}$    | 37) $\{-5\}$   |                 |