Algebra 1 0507   Name_____

Extra Practice - Writing and Solving Simple Equations   Date_____

Write each as an algebraic expression, and find the number described.

1) the sum of a number and 6 is equal to 33

2) a number increased by 5 is 6

3) a number plus 10 is equal to 35

4) a number divided by 4 is 12

5) the difference of a number and 27 is equal to 21

6) the quotient of a number and 6 is 49

7) 10 less than x is equal to 47

8) a number times 7 is equal to 43

9) the difference of a number and 7 is 34

10) the sum of a number and 9 is 26

11) 11 less than c is 29

12) a number plus 8 is equal to 50

13) a number increased by 6 is 35

14) the sum of a number and 8 is 20

15) a number minus 10 is 12

16) twice a number is 34

17) a number divided by 2 is equal to 46

18) the difference of a number and 4 is 10

19) a number decreased by 7 is equal to 25

20) 11 more than a number is 13

21) a number plus 6 is equal to 24

22) a number times 11 is equal to 33

23) 4 less than x is 26

24) a number decreased by 13 is 48

25) the product of a number and 9 is 11

26) the product of a number and 12 is equal to 28

27) a number minus 6 is 42

28) 8 more than a number is equal to 38

29) half of a number is equal to 28

30) the quotient of a number and 4 is equal to 44

Answers to Extra Practice - Writing and Solving Simple Equations

1) $n + 6 = 33$

2) $n + 5 = 6$

3) $n + 10 = 35$

4) $\dfrac{n}{4} = 12$

5) $n - 27 = 21$

6) $\dfrac{n}{6} = 49$

7) $x - 10 = 47$

8) $n \cdot 7 = 43$

9) $n - 7 = 34$

10) $n + 9 = 26$

11) $c - 11 = 29$

12) $n + 8 = 50$

13) $n + 6 = 35$

14) $n + 8 = 20$

15) $n - 10 = 12$

16) $2n = 34$

17) $\dfrac{n}{2} = 46$

18) $n - 4 = 10$

19) $n - 7 = 25$

20) $n + 11 = 13$

21) $n + 6 = 24$

22) $n \cdot 11 = 33$

23) $x - 4 = 26$

24) $n - 13 = 48$

25) $n \cdot 9 = 11$

26) $n \cdot 12 = 28$

27) $n - 6 = 42$

28) $n + 8 = 38$

29) $\dfrac{n}{2} = 28$

30) $\dfrac{n}{4} = 44$