

SCORE

24

Name: \_\_\_\_\_

Class: \_\_\_\_\_

Hour: \_\_\_\_\_

## Algebra 1B Homework Check (8-1)

(Please attach homework to this sheet and fill out the questions below.)

**Pg. 527: 2-15. 25-30. 32-35**

Write the prime factorization of each number.

2. 20

3. 36

4. 27

5. 54

6. 96

7. 7

8. 100

9. 75

Find the GCF of each pair of numbers.

10. 12 and 60

11. 14 and 49

12. 55 and 121

Find the GCF of each pair of monomials.

13.  $6x^2$  and  $5x^2$

14.  $15y^3$  and  $-20y$

15.  $13q^4$  and  $2p^2$

Find the GCF of each pair of numbers.

25. 36 and 63

26. 14 and 15

27. 30 and 40

Find the GCF of each pair of monomials.

28.  $8a^2$  and 11

29.  $9s$  and  $63s^3$

30.  $-64n^4$  and  $24n^2$

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Find the GCF of each pair of products.

32.  $3 \cdot 5 \cdot t$  and  $2 \cdot 2 \cdot 5 \cdot t \cdot t$

33.  $-1 \cdot 2 \cdot 2 \cdot x \cdot x$  and  $2 \cdot 2 \cdot 7 \cdot x \cdot x \cdot x$

34.  $2 \cdot 2 \cdot 2 \cdot 11 \cdot x \cdot x \cdot x$  and  $3 \cdot 11$

35.  $2 \cdot 5 \cdot n \cdot n \cdot n$  and  $-1 \cdot 2 \cdot 3 \cdot n$