Practice B

Factors and Greatest Common Factors

Write the prime factorization of each number.

1. 18

2. 120

3. 56

_____   _____   _____

4. 390

5. 144

6. 153

_____   _____   _____

Find the GCF of each pair of numbers.

7. 16 and 20   _____   8. 9 and 36   _____

9. 15 and 28   _____   10. 35 and 42   _____

11. 33 and 66   _____   12. 100 and 120   _____

Find the GCF of each pair of numbers.

13. 78 and 30 _____

14. 84 and 42 _____

Find the GCF of each pair of monomials.

15. $15x^4$ and $35x^2$ _____

16. $12p^2$ and $30q^5$ _____

17. $-6t^3$ and $9t$ _____

18. $27y^3z$ and $45x^2y$ _____

19. $12ab$ and 12 _____

20. $-8d^8$ and $14d^4$ _____

21. $-m^8n^4$ and $3m^6n$ _____

22. $10gh^2$ and $5h$ _____