

NAME _____

DATE _____

Module 12 Factoring Using Several Methods
Lesson 6 Dividing Polynomials by Monomials



**additional
practice**

Factor completely.

1. $2a^3 - 18a$

2. $b^5 - 64b^3$

3. $18c^3 - 50c$

4. $-5d^3 + 405d$

5. $4e^3 + 20e^2 + 24e$

6. $3f^3 + 3f^2 - 36f$

7. $4g^3 - 32g^2 + 48g$

8. $2k^2j + 10kj - 48j$

9. $27h^2 + 63h + 30$

10. $12m^3 + 10m^2 - 8m$

11. $8n^3 + 4n^2 - 12n$

12. $18p^3q - 30p^2q - 72pq$

13. $r^3 + 5r^2 - 9r - 45$

14. $s^5 - 16s$

15. $6t^7 - 40t^5 - 126t^3$

16. $16w^{10} - 36w^8 + 36w^6 - 81w^4$

17. $x^2y - 3x^2 - 25y + 75$

18. $2m^2n^2 + 12mn^2 - 18m^2 - 108m$

19. $-2p^2q^2 + 6pq^2 + 8p^2 - 24p$

20. $3a^3b^2 - 12a^3 + 27ab^2 - 108a$

