

3.3 Factoring-Practice Worksheet

Factor the following polynomial expressions completely.

1. $49x^2 - 4$	2. $3d^2 + 33d + 72$
3. $5a^2 - 2ab - 16b^2$	4. $3x^3 + 8x^2 - 15x - 40$
5. $4xy^2 - 15xy + 11x$	6. $a^3 + 7a^2 + 4a + 28$
7. $x^4 - 8x^2 + 16$	8. $20y^3 - 60y^2 + 45y$
9. $x^3 + 125$	10. $50h^4 - 32h^2$

11. $9x^2 + 21x - 8$

12. $x^4 - 1$

13. $n^2 + 12n + 36$

14. $64n^3 - 8$

15. $2x^4 + 250x$

16. $2x^4 + 7x^3 - 15x^2$

17. $p^2(64 - p^2) - (64 - p^2)$

18. $8k^2 + 25k + 3$

19. $15m^2 - 65m + 50$

20. $12x^3 - 21x^2 + 8xy - 14y$