

Name: _____

Date: _____

Factor:

1. a^2-b^2

2. m^2-n^2

3. x^2-y^2

4. a^2-b^2

5. a^2-2^2

6. b^2-6^2

7. x^2-25

8. y^2-49

9. p^2-9

10. q^2-16

11. $25-x^2$

12. $1-m^2$

13. $36-c^2$

14. $81-b^2$

15. $(2x)^2-3^2$

16. $(3y)^2-10^2$

17. $4x^2-9$

18. m^2-4n^2

19. $36p^2-25$

20. $1-81x^2$

21. $49x^2-121$

22. $9m^2-25n^2$

23. $64p^2-81q^2$

24. $121a^2-16b^2$

25. $\frac{1}{4}x^2-y^2$

26. $\frac{4}{9}a^2-\frac{25}{49}b^2$

27. $\frac{100}{81}m^2-\frac{1}{16}n^2$

28. $\frac{9}{25}c^2-\frac{1}{121}d^2$

29. $(m+n)^2-p^2$

30. $(x+3y)^2-z^2$

31. $(3a+4b)^2-9c^2$

32. $(a-3b)^2-16c^2$

33. $(2m-1)^2-100n^2$

34. $(5p+3q)^2-25$

35. $(7y+8z)^2-49x^2$

36. $(a+3)^2-0.25$

37. $(4x-1)^2-0.49$

38. $p^2-(q-r)^2$

39. $16a^2-(x-y)^2$

40. $49c^2-(m-n)^2$

41. $1-(x+y)^2$

42. $25m^2-(m+n)^2$

43. $4p^4-9$

44. $25m^4-9n^6$

45. $81p^{10}-121q^4$

46. $16x^{30}-100q^{12}$