

P. Math 10
Identifying Types of Factoring

Name -

Label each question with the FIRST type of factoring you would use: monomial, simple trinomial, decomposition, difference of squares. DO NOT FACTOR!

1. $6+12x^2$

2. $(x-y)^2 - z^2$

3. $x^2 + 17x + 72$

4. $49b^2 - 7b^3$

5. $5a^2 - 7a - 6$

6. $2m^2 - 11m + 12$

7. $x^2 - 25$

8. $3x^2 - 13x - 10$

9. $d^2 - 6d - 16$

10. $45d^5 - 36d$

11. $4x^2 - y^2$

12. $x^2 - x - 6$

13. $3x^2 + 12x - 6$

14. $m^2 - 12mn + 36n^2$

15. $16m^2 - 49$

16. $2m^2 - m - 21$

17. $b^2 + 7b - 18$

18. $9b^2 - 64$

19. $4k^2 - 9k - 9$

20. $x^2 + 8x - 20$

21. $8m^2 - 72$

22. $12p^2 - 363$

23. $x^2 + 6x + 9$

24. $(2a+b)^2 - 81$

25. $8x^2y - 32xy^2 + 16x^2y^2$

26. $3x^2 + 13x + 4$

27. $9a^2 - 4$

28. $35a + 10a^2$

29. $4p^2 - 121$

30. $15a^2 - a - 2$

31. $6x^2 - xy - 12y^2$

32. $m^4 + 13m^2 + 36$