

Example 5
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Factor each expression.

DO NOT SOLVE

21. $x^4 - 8x^2 + 7$

22. $x^4 + 8x^2 - 20$

23. $x^4 - 7x^2 + 12$

24. $x^4 - 5x^2 + 4$

25. $x^4 - 1$

26. $4x^4 - 6x^2 + 2$

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Solve each equation. *Get your four solutions!*

27. $x^4 - 10x^2 + 9 = 0$

28. $x^4 - 8x^2 + 16 = 0$

29. $x^4 - 12x^2 - 64 = 0$

30. $x^4 + 7x^2 - 18 = 0$

31. $x^4 + 4x^2 - 12 = 0$

32. $x^4 + 8x^2 + 15 = 0$