More Exponential Equations using FACTORING

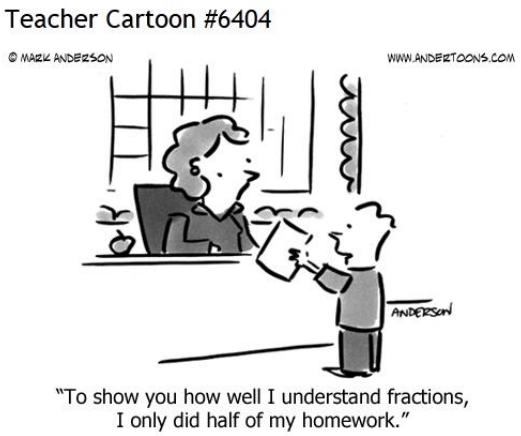
Factoring is needed **IF** we have a *summation* of terms with variables in the exponents:

A) Common Factoring

1. $5^{x+2} - 5^x = 24$
2. $2^{p+3} + 2^p = 18$
3. $2^{x-1} - 2^x = -2^{-3}$
4. $36 = 3^{x+5} + 3^{x+4}$

B) Trinomial Factoring

5. $10(2^{2x}) - 11(2^x) + 3 = 0$
6. $3(5^{2x}) - 13(5^x) + 4 = 0$
7. $6(2)^{2x} + 13(2)^x = 5$



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