Factoring #1: Factoring out the GCF   Name_____

Factor out the GCF. If you can't factor it write "prime"

Period_____

Factor the common factor out of each expression.

Help? Search videos titled "Factor GCF"

Also posted at teacher's website:

https://www.sausd.us/Page/18573

1) $16p^4 + 4p^3$

2) $9x + 36$

3) $63 + 45b$

4) $6n^3 - 3n^5$

5) $-6r^5 - 6r^4$

6) $63x^{12} - 35x^6$

7) $14a + 21a^2 + 21a^3$

8) $10n^3 - 9n^2 + n$

9) $-28v^2 - 8v - 36$

10) $-8x^7 + 24x^6 + 12x^5$

11) $20 - 35n^2 - 20n^3$

12) $9x^6 - 63x^3 - 90x^2$

13) $-3k^3 + 15k^2 - 6k$

14) $50p^3 + 50p^2 - 20$

15) $32n^3 + 28n - 20$

16) $-90x^5 + 100x + 60$

17) $3m^2 + 9m + 27$

18) $12r^2 + 4r - 12$

19) $64 + 40x^2 + 72x$

20) $-18n^2 + 15n - 15$

Remember:
1. Show _all_ work on a lined-sheet of paper!
2. Log in your answers on the Google Form [link posted in GoogleClass.]
3. Turn in your paper to Ms. Nong & check grade in Aerie.

IMPORTANT!!!

Always check your answers!

- Factoring problems: Multiply out the factors in your final answer to see if you come up with the same polynomial as in the original question.
- "Solve equation" problems: Plug the number/s you get for answers back into the original equation in the problem and make sure both sides of the equation come out to the same number.