

Worksheet #1- Preview Worksheet on Evaluating Powers

On lined paper, evaluate each of the following from both columns, showing all work. Each answer in Column 1 should have a match in Column 2, **but** they will not be in the **same order**. Note: The answers for #1 from Column 1 and #11 from column 2 are shown.

Column 1

1. $3^3 = 27$
2. 4^3
3. $(-1)^6 + 5 + 5^2$
4. $6^3 \div 3^3$
5. $1^3 + 2^3 + 3^3$
6. $(-1)^{100}$
7. -4^2
8. $(-7+6)^3$
9. $(-12+10)^5$
10. -10^2
11. $\frac{5^4 - 5^2}{8^2 - 2^2}$
12. $\frac{6^2 + 8^2}{5^2}$
13. $2a^2 + a^3$, for $a = 4$
14. $3x^2 + 1$, for $x = -4$
15. $-6^2 + (-6)^2$
16. $3x^3 - 2x^2 - x$, for $x = -2$
17. $5x^5 + 4x^4 + 3x^3$, for $x = -1$

Column 2

1. $-8^2 - 6^2$
2. $3^2 - 5^2$
3. 2^3
4. $12^2 - 3(-2)^4$
5. 7^2
6. $2^4 - 4^2$
7. $-10^2 \div (-5)^2$
8. $(-1)^{201}$
9. $3^4 - 2(-5)^2$
10. $x - x^2$, for $x = 6$
11. $\frac{15^2 + 7^2 - 2^2}{10} = 27$
12. $\frac{x^4}{4}$, for $x = 2$
13. $\frac{(-3)^5}{-3^5}$
14. $(-6)^2$
15. $44 - 2(3^4 - 4^3)$
16. 2^6
17. $2^2 - 6^2$