

- #1 The number of letters in the (English) alphabet: _____
- #2 Factor the following completely: $x^2 - x - 2$
- #3 Factor the following completely: $x^4 - 16$
- #4 Evaluate: $3+12 / 4+1$
- #5 Multiply out: $(x - 1)(x + 5)$
- #6 Solve by any method: $x^2 - 2x = -1$
- #7 Solve by any method: $x(x - 2)(x + 3) = 0$
- #8 Simplify, if possible. If not possible, write "not possible": $\frac{x+1}{x+2}$
- #9 Simplify, if possible. If not possible, write "not possible": $\sqrt{x^2 + y^2}$
- #10 What is $\cos(\pi)$?
- #11 What is 18 (base-10) expressed in binary? _____. In hexadecimal? _____.
- #12 What is $\ln(e^{5x})$?
- #13 What is $\log_{12}(144)$?
- #14 What is $\ln(1)$?
- #15 What is $e^{\ln(2)}$?