CS/MATH 3414: 'Learning to Criticize'

Comment on the following formulas for serving as computational statements:

1. $y = \sqrt{x^2+1} - 1$
2. $y = \sqrt{x^2+1} - x$
3. $y = \sqrt{x+4} - 2$
4. $y = \sqrt{x+\alpha} - \sqrt{x}$
5. $y = \sum_{k=1}^{100} \frac{(-1)^k}{k^4}$
6. $y = 1 - cos\, x$
7. $y = x - sin\, x$
8. $y = sin\, x + cos\, x - 1$
9. $y = sin(x+\alpha) - sin\, x$
10. $y = cos(x+\alpha) - cos\, x$
11. $y = f(x+\alpha) - f(x)$
12. $y = \frac{1}{\sqrt{x}} - \frac{1}{\sqrt{x+1}}$
13. $(a-b)^2$ versus $a^2 - 2ab + b^2$. *Hint:* Try it with three-digit arithmetic and $a = 15.6$, $b = 15.7$.