# Sample Homework

## John Doe

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1. Simple text. $x = 1$.

   Display an equation.
   $$x^2 + x + 1$$

   Align equations.
   $$(x+1)^1 = x+1$$
   $$(x+1)^2 = x^2 + 2x + 1$$
   $$(x+1)^3 = x^3 + 3x^2 + 3x + 1$$

   Center equations.
   $$x^3 + x^2 + x + 1$$
   $$x^2 + x + 1$$
   $$x + 1$$

2. (a) First
   (b) Second
   (c) Third

3. (1) One
   (2) Two
   (3) Three