1. Given a function and a specific domain location, write an equation for the tangent line at the point. The process for this is:
   - Locate $x$-coordinate.
   - Locate $y$-coordinate.
   - Compute slope (probably using a derivative).
   - Create the equation. One method is to use the point-slope formula:
     \[ y - y_0 = m(x - x_0) \]

[Patrick JMT](http://www.pamjselect.com) has a nice video.
[Khan Academy](https://www.khanacademy.org) has one, too, but it’s not as clear.

2. Understand the difference between the slope of the tangent line and the equation of the tangent line.

3. Be able to do things with a tangent line. Your homework will have examples, including:
   - Graph it. This is required, even though WebAssign cannot grade it.
   - Find its $x$-intercept.
   - Find its $y$-intercept.
   - Find the angle it makes with either axis.
   - Applications of the above.