## 1. Problems to be presented on 11-27

If you are interested in doing a problem, but would like some help, email me for hints.

- First problem for presentation: Recall that the normaline to a curve at a point $P$ is the line that passes through $P$ and is perpendicular to the tangent line at $P$. Find the curve that passes through the point $(3, 2)$ and has the property that if the normal line is drawn at any point on the curve, then the $y$-intercept of the normal line is always 6.
- Second Problem for Presentation: Find a differential equation where Euler's method finds a constant solution, although in reality the solution is non-constant.