1. 3.2 Let $f(x)=x^{2}-2 x$. Evaluate and simplify the following:
a. $f(2)$
b. $f(-3)$
c. Bonus $f(x+3)$
2. 3.3 Sketch the graph of each of the following linear functions. Include any $x$ - or $y$-intercepts, and if the intercepts are all you label on your graph, that's just fine with me! BETTER than fine!
a. $f(x)=2 x-3$
b. $f(x)=7$
3. 3.4 What is the slope of the line $7 x+2 y=13$ ?
4. 3.5 Find an equation of the line through $(-2,1)$ and $(5,-3)$ in two ways:
a. Slope-Intercept Method
b. Point-Slope Method
5. 3.5 What is the slope of any line that is parallel to the line $y=2 x-3$ ? $\qquad$

What is the slope of any line that is perpendicular to the line $y=2 x-3$ ? $\qquad$

On the test, you can expect to be asked to build the equation of a line that's perpendicular/parallel, and passes through a particular point. Not much room, here.
6. 3.6 Graph the piecewise-defined function $f(x)=\left\{\begin{array}{cc}-2 x-1 & \text { if } x \leq-1 \\ x^{2}-1 & \text { if } x>-1\end{array}\right.$
7. Sketch the graph of $g(x)=\sqrt{2-x}+3$, starting with $f(x)=\sqrt{x}$ as your $1^{\text {st }}$ graph, and ending with $g(x)$ in your final $\left(4^{\text {th }}\right)$ graph.

