Concavity and Inflection Points

Notes / Practice Assignment

1. Watch the [tutorial video](http://youtu.be/6lfEu2u47vg).
2. Write the rules for finding where a function is concave up and down.
3. Write the procedure for finding inflection points.
4. For problems below, write the intervals for concavity and write the coordinates of any inflection points.
	1. $y=-x^{3}+3x^{2}-2$
	2. $y=\frac{x^{2}+4}{4-x^{2}}$
	3. $y=\frac{x^{2}}{x^{2}+1}$
	4. $y=x^{5}+5x^{4}-40x^{2}$