Math 300 In-Class Worksheet 1: Introduction

1) What follows are some sentences uttered by politicians. Decide which are statements and see if you can tell which are blatantly false!

(a) Things are more like they are now than they ever were before.

(b) When the President does it, that means it's not illegal.

(c) If Abraham Lincoln was alive today, he would roll over in his grave.

(d) One word sums up probably the responsibility of any vice president, and that one word is 'to be prepared'.

(e) It depends on what the meaning of the words 'is' is.

(f) A zebra can not change it's spots.

(g) Every two child did.

(h) One of my hardest parts of my job is to console the family members who have lost their life.

(i) We know there are known knowns.

(j) I actually did vote for the $87 billion, before I voted against it

(k) The line of "Make America great again," the phrase, that was mine...

2) Here are some sentences that (most likely) have not been uttered by politicians. Decide which are statements. Can you tell whether they are true or false?

(a) Pythagoras was vicious.

(b) The square root of a negative number is a negative number.

(c) $4x^3 - 9x^2 + 3x - 25 = 0$

(d) Socrates was a very wise man.

(e) There is a blackboard in every classroom in the CASL Building.

(f) Blackboards are superior to whiteboards.

(g) If p is prime, its only divisors are 1 and p.

(h) For all angles θ, $0 \leq \theta \leq \pi$, $\sin \theta$ is positive.