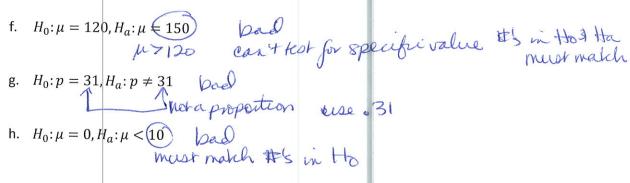
AT 223, Discussion Qu	estions 11.18			
2. The null hypother previous information	ton't expect sample operation value, we result we obtain are esis the default assumption we mation. What do we want to set u	different and the appearance in the appearance i	of from lefect bsence of evidence or to make these assumption	pased on grandom
would presumin	ider: we presume innocence (the g guilt be a bad idea? Apply you	null hypoth r answer to f	lesis) in legal proceedin	gs. Why
the chance conhol;	e of rejecting nucle in the legal fra ely sending innor	hepot	hese's is ease k we don't u	er to
	name for the alternative hypothe a number, But an		he experiment	lal
4. Which of the following they for a mean of they are not set upon a. H_0 : $\mu=100$,	owing hypothesis tests are set up or a proportion? And which test up correctly, what is wrong with the H_a : $\mu > 100$	in the calculations in the calculation in the calcu	ator would you use for	them? If
b. $H_0: p = 20, H_0$ c. $H_0: p \neq 0.25, H_0: p \neq $	$H_a: p \leq 20$ No, bad $M_a: p = 0.25$ bed 1 Prop	Ho! P	=20, Ha: p.	220 okay
	Searth $a: \mu = 100$ must make be Change $z > 1$ $a: p \neq 0.6$ good	ed i Hai ju	Can't test	for a value
= 0.5	1 Prop ZTest			



g.
$$H_0: p = 31, H_a: p \neq 31$$
 back what a proportion case . 3

h.
$$H_0: \mu = 0, H_a: \mu < 10$$
 bad must make this in the

5. A large company that produces allergy medications claims that Americans lose an average of 40 hours of work to problems related to seasonal allergies. A consumer advocacy group believes that this claim is actually just "hype" intended to sell more medication. The advocacy group would like to obtain statistical evidence about this issue and takes a random sample of 100 American workers. They find that these 100 people lost an average of 38 hours with a standard deviation of 9.5 hours. What are the null and alternative hypotheses in this situation? State them in correct notation.

them in correct notation.

T-Test (Sats)

$$\mu_0 = 40$$
 $\mu_0 = 40$
 $\mu_0 = 40$

$$t = -2.1052...$$

 $p = .01889... < .05$
reject Ho

6. Comment on the article at http://www.sciencedaily.com/releases/2015/08/150825103111.htm.