

8 – 1:

1. $H_0: p = .37$ $H_1: p > .37$ 2. $H_0: p = .29$ $H_1: p < .29$ 3. $H_0: p = .34$ $H_1: p \neq .34$
 4. $H_0: p = .89$ $H_1: p < .89$ 5. $H_0: p = .52$ $H_1: p > .52$ 6. $H_0: p = .60$ $H_1: p \neq .60$
 7. $H_0: \mu = 110$ $H_1: \mu \neq 110$ 8. $H_0: \mu = 11.4$ $H_1: \mu < 11.4$ 9. $H_0: \mu = 24$ $H_1: \mu > 24$
 10. $H_0: \mu = 4.2$ $H_1: \mu < 4.2$ 11. $H_0: \mu = 4.6$ $H_1: \mu \neq 4.6$ 12. $H_0: \mu = 41.2$ $H_1: \mu > 41.2$
 13. $H_0: \sigma = .5$ $H_1: \sigma \neq .5$ 14. $H_0: \sigma = 25$ $H_1: \sigma > .25$ 15. $H_0: \sigma = .72$ $H_1: \sigma < .72$
 16. $H_0: \sigma = 5.6$ $H_1: \sigma > 5.6$ 17. $H_0: \sigma = 4.2$ $H_1: \sigma < 4.2$ 18. $H_0: \sigma = .25$ $H_1: \sigma \neq .25$

8– 2

1. $H_0: p = .37$ $H_1: p > .37$ CV = 2.05 TS = 1.24 DNR H_0
 2. $H_0: p = .29$ $H_1: p < .29$ CV = -1.645 TS = -1.89 R H_0
 3. $H_0: p = .31$ $H_1: p \neq .31$ CV = -2.575, + 2.575 TS = -.82 DNR H_0
 4. $H_0: p = .18$ $H_1: p > .18$ CV = 1.55 TS = 2.08 R H_0
 5. $H_0: p = .28$ $H_1: p \neq .28$ CV = -2.33, + 2.33 TS = .35 DNR H_0
 6. $H_0: p = .78$ $H_1: p < .78$ CV = -1.41 TS = -1.59 R H_0

8– 3

1. $H_0: \mu = 28.5$ $H_1: \mu < 28.5$ CV = -2.33 TS = -2.40 R H_0
 2. $H_0: \mu = 63.7$ $H_1: \mu > 63.7$ CV = 1.645 TS = .30 DNR H_0
 3. $H_0: \mu = 110$ $H_1: \mu \neq 110$ CV = -2.575, + 2.575 TS = 1.55 DNR H_0
 4. $H_0: \mu = 11.4$ $H_1: \mu > 11.4$ CV = 1.28 TS = 1.64 R H_0
 5. $H_0: \mu = 98.6$ $H_1: \mu < 98.6$ CV = -1.55 TS = -1.26 DNR H_0
 6. $H_0: \mu = 52,000$ $H_1: \mu \neq 52,000$ CV = -2.05, + 2.05 TS = -3.03 R H_0

8- 4

1. $H_0 : \mu = 24$	$H_1: \mu < 24$	$CV = -1.684$	$TS = -3.09$	R H_0
2. $H_0 : \mu = 4.2$	$H_1: \mu > 4.2$	$CV = 2.412$	$TS = 2.82$	R H_0
3. $H_0 : \mu = 4.6$	$H_1: \mu \neq 4.6$	$CV = -1.696 , + 1.696$	$TS = -1.15$	DNR H_0
4. $H_0 : \mu = 41.5$	$H_1: \mu > 41.5$	$CV = 2.004$	$TS = 1.87$	DNR H_0
5. $H_0 : \mu = 105.12$	$H_1: \mu \neq 105.12$	$CV = -2.75 , + 2.75$	$TS = 2.49$	DNR H_0
6. $H_0 : \mu = 25.7$	$H_1: \mu < 25.7$	$CV = -2.381$	$TS = - 5.39$	R H_0

8- 5

1. $H_0 : \sigma = 25$	$H_1: \sigma > 25$	$CV = 90.531$	$TS = 81.648$	DNR H_0
2. $H_0 : \sigma = .5$	$H_1: \sigma \neq .5$	$CV = 67.328 , 140.169$	$TS = 196$	R H_0
3. $H_0 : \sigma = 500$	$H_1: \sigma < 500$	$CV = 26.509$	$TS = 14.40$	R H_0
4. $H_0 : \sigma = .74$	$H_1: \sigma < .74$	$CV = 37.689$	$TS = 35.10$	R H_0
5. $H_0 : \sigma = 5$	$H_1: \sigma > 5$	$CV = 43.773$	$TS = 38.99$	DNR H_0
6. $H_0 : \sigma = 2000$	$H_1: \sigma \neq 2000$	$CV = 21.164 , 63.691$	$TS = 52.9$	DNR H_0