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9. Right tailed, μ
10. Left tailed, P
11. 2 tailed, σ
12. Right tailed, P
13. Left tailed, μ
14. 2 tailed, σ
15. $H_0: P \leq 0.105, H_1: P > 0.105$
16. $H_0: \mu = \$17072, H_1: \mu \neq \17072
17. $H_0: \mu \geq \$218,600, H_1: \mu < \$218,600$
18. $H_0: H_1: \mu \geq 32, H_1: \mu < 32$
19. $H_0: \sigma \geq 0.7, H_1: \sigma < 0.7$
20. $H_0: P \leq 0.196, H_1: P > 0.196$
21. $H_0: \mu = \$47.47, H_1: \mu \neq \47.47
22. $H_0: \sigma \geq 112, H_1: \sigma < 112$
23. Evidence supports the claim that the percentage has increased
24. Evidence does not support the claim that the percentage has changed
25. Evidence does not support the claim that the mean price has decreased
26. Evidence supports the claim that jars are being underfilled
27. Evidence does not support the claim that the variability has decreased
28. Evidence does not support the claim that the percentage has increased
29. Evidence supports the claim that the bill is different
30. Evidence does not support the claim that math scores have decreased
31. Evidence does not support the claim that the percentage has increased
32. Evidence supports the claim that the percentage has changed
33. Evidence supports the claim that the mean price has decreased
34. Evidence does not support the claim that jars are being underfilled

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7. $H_0: P \leq 0.3$ $H_1: P > 0.3$; $Z = 2.31$; Reject H_0
9. $H_0: P \geq 0.55$ $H_1: P < 0.55$; $Z = -0.74$; Do not reject H_0
11. $H_0: P = 0.9$ $H_1: P \neq 0.9$; $Z = -1.49$; Do not reject H_0
15. $H_0: P \leq 0.019$ $H_1: P > 0.019(c)$; $Z = 0.65$; Do not reject H_0 ; Evidence does not support the claim that more than 1.9% of Lipitor users experience flu-like symptoms
16. $H_0: P \leq 0.94$ $H_1: P > 0.94(c)$; $Z = 0.69$; Do not reject H_0 ; Evidence does not support the claim that the percentage is more than 94%
17. $H_0: P \leq 0.50$ $H_1: P > 0.50(c)$; $Z = 1.09$; Do not reject H_0 ; Evidence does not support the claim that the majority of US adults believe they will not have enough money in retirement
18. $H_0: P \leq 0.50$ $H_1: P > 0.50(c)$; $Z = 1.70$; Reject H_0 ; Evidence supports the claim that the majority of Illinois students are prepared for social sciences
19. $H_0: P \leq 0.56$ $H_1: P > 0.56(c)$; $Z = 2.60$; Reject H_0 ; Evidence supports the claim that the percentage of adults who report that math skills are important to their job has increased
21. $H_0: P = 0.52$ $H_1: P \neq 0.56(c)$; $Z = -11.32$; Reject H_0 ; Evidence supports the claim that the proportion of children in HS were not being taught enough math or science
22. $H_0: P = 0.58$ $H_1: P \neq 0.58(c)$; $Z = -0.45$; Do not reject H_0 ; Evidence does not support the claim that the proportion of females living alone has changed