

1. 0.7967
2. Mean \$431.82 ; Median \$435  
Mode \$430
3. -\$0.14
4. 1.8941
5. 15
6. 3.5355
7. Mean 5'8.1" , Median 5' 9" ,  
Mode (5'8", 5'9", and 5'10")
8. 0.9544
9. 0.2578
10. 0.0985
11. 3.21
12. 0.4052
13. Mean of Group A = 2.1  
Mean of Group B = 1.6
14. 0.3208
15. [a]  $a = 10; b = 0.8; c = 0.1; d = 0.2;$   
 $e = 0.6; f = -3.5; g = -1.4$   
[b]  $\sigma^2[X] = 29.35$   
[c]  $\sigma[X] \approx 5.418$
16. [a]  $E[X] = 45$   
[b]  $\sigma[X] \approx 6.364$   
[c] 0.9505  
[d] 0.9854
17. 1.2
18. [a] 65  
[b] 106
19. [a] 0.0812  
[b] 0.5398  
[c] 0.5162