HW #18   Final Answers

1. $\dfrac{\pi}{4}$

2. $\dfrac{\pi}{2}$

3. $-\pi$

4. $\dfrac{\pi}{4} - 1$ $\overset{OR}{=}$ $\dfrac{\pi-4}{4}$

5. $-\ln 2$

6. $\dfrac{1}{6}$

7. $\dfrac{3}{\pi}$

8. $\ln\left(\dfrac{7}{6}\right)$

9. e^{-e}

10. -2

11. -1

12. $\dfrac{e}{e-1}$

13. $-\dfrac{2}{81}$

14. π

15. e^{x}

16. $\dfrac{\pi}{9}$

17. $\dfrac{\pi}{6(\pi-1)}$

18. 0

19. $1 + \dfrac{\pi}{4}$ $\overset{OR}{=}$ $\dfrac{4+\pi}{4}$

20. $2\ln 2$

21. $e^{-1} = \dfrac{1}{e}$

22. 0

23. $-\dfrac{2}{25}$