1)
$$\begin{cases} \frac{\alpha}{2} & -3 \le n \le 1 \\ 3n^2 - 2 & n > 1 \end{cases}$$
2) $(3n^2 - 2)$

2)
$$\int 4\pi^3 \qquad \alpha \leq 0$$
 $y = \begin{cases} \alpha^4 - \alpha^2 & \alpha > 0 \end{cases}$

3)
$$y = \begin{cases} 2\pi, & 0 > 0 \\ 5\pi, & 0 < 0 \end{cases}$$

4)
$$y = \begin{cases} -\pi & \pi < 0 \end{cases}$$

$$\begin{cases} \pi^2 & 0 \leq \pi \leq 1 \end{cases}$$

$$| \pi | | \pi | |$$

5)
$$y = \begin{cases} \alpha^2 + 5 & \alpha < 0 \\ \alpha^2 & \alpha > 0 \end{cases}$$

$$\frac{7}{9} \quad \frac{9}{2} \quad \begin{cases} 2 \quad 2 \quad 1 \\ 2 \quad 1 \end{cases}$$

8)
$$y = \int 5 - 2\pi \quad m > 0$$

$$1 - 2\pi - \pi^2 \quad m \leq 0$$

10)
$$y = \begin{cases} 1-x & 0 \le x \le 1 \\ 2-x & 1 < x \le 2 \end{cases}$$

$$\begin{cases} y = \begin{cases} h - n^2, & n \le 1 \\ n^2 + 2n, & n > 1 \end{cases}$$

$$y = \int_{-2\pi}^{2\pi} x = 0$$

$$\begin{cases} 14 \\ y = \begin{cases} -\frac{1}{2} \\ x \end{cases} & 2i < -1 \end{cases}$$

15)
$$y = \begin{cases} -\frac{1}{n^2} & n < -1 \\ n^2 & n > -1 \end{cases}$$

16)
$$y = \begin{cases} \frac{23}{8} & 22 & 20 \\ 23 & 20 & 20 \end{cases}$$

(8)
$$y = \begin{cases} x^2 + x & 0 < x < 1 \\ x^4 + 3x^2 - 1 & x > 1 \end{cases}$$

(9)
$$y = \begin{cases} n^2 + \pi & m > 0 \\ 3^4 + 3m^2 - (m < 0) \end{cases}$$

$$(20) \int \frac{x}{2} \qquad n \leq -1$$

$$y = \begin{cases} 3 & n \geq -1 \end{cases}$$

21)
$$y = \begin{cases} 2\pi & -3 \le \pi \le -1 \\ 3\pi^2 - 2 & \infty > -1 \end{cases}$$

$$y = \begin{cases} x + 5 & x \leq -1 \\ 5 & -1 < x < 1 \\ x^3 & x > 1 \end{cases}$$

$$y = \begin{cases} 5 - 2\pi & m < -1 \\ n^3 & m > -1 \end{cases}$$

$$y = \begin{cases} -\alpha & \alpha \leq 0 \\ \alpha^{2} & 0 \leq \alpha \leq 1 \end{cases}$$

$$2 \qquad \alpha \geq 1$$

$$y = \begin{cases} n^2 + 1 & 0 < n < 1 \\ n^2 & n < 0 \end{cases}$$

$$m > 1$$

$$y = \begin{cases} n^2 + n & m < -3 \\ n & m > -3 \end{cases}$$

$$y = \begin{cases} 4 - n^2 & \text{and } n < n < 1 \\ 0 & \text{and } n > 1 \end{cases}$$

$$\frac{1}{28}$$
 $\frac{1}{m}$ $\frac{1$

$$y = \begin{cases} \frac{3}{8} & \text{sn} < -1, \\ \frac{3}{8} & \text{sn} < -1, \\ \frac{3}{2} & \text{sn} < 1, \\ \frac{3}{2} & \text{sn} > 1 \end{cases}$$

30)
$$y = \begin{cases} n^3 & n \leq -1 \\ n & n > -1 \end{cases}$$

31)
$$\begin{cases} n^2 + 1 & n < -1 \\ y_2 & n & -1 \leq n < 1 \\ 2 & n > 1 \end{cases}$$

$$\begin{cases} 32 \\ 1 - n & n \leq -1 \\ y_2 \\ 1 & n > -1 \end{cases}$$

$$\begin{cases}
32
\end{cases}$$

$$\begin{cases}
1-2
\end{cases}$$

$$32-1$$

33)
$$\begin{cases} n^2 + 2n, & n \leq -1 \\ 1 - 2n - n^2, & n > -1 \end{cases}$$

35)
$$y = \begin{cases} n - 1 & n \leq -1 \\ 2 & -1 < n \leq 1 \\ -n & n > 1 \end{cases}$$

36)
$$y = \begin{cases} n^3 + n, & n \leq -1 \end{cases}$$

37)
$$y = \begin{cases} 0.50 & 0.4 - 3 \\ 0.41 & -3 < 0.4 \\ 2 & 0.7 3 \end{cases}$$

$$38)$$

$$y = \begin{cases} -2 & x < -3 \\ 3n^{2} & x \geq -3 \end{cases}$$

39)
$$y = \begin{cases} 1 & m < -1 \\ m^2 & m > -1 \\ 4 & m = -1 \end{cases}$$

$$y = \begin{cases} 2 - n & n < 0 \\ 2 & n = 0 \\ 1 & n > 0 \end{cases}$$

$$y = \begin{cases} n^3 & n < -1 \\ n^2 & -1 < n < 1 \\ 4n & n > 1 \end{cases}$$

$$y = \begin{cases} 1 & n < 0 \\ 0 & m = 0 \end{cases}$$
 $\begin{cases} n^2 + 1 & n > 0 \end{cases}$

$$43) \quad y = \begin{cases} 1 & n = 0 \\ n^2 & n > 0 \end{cases}$$

$$44) \quad y = \begin{cases} n^2 + 1 & m < 0 \\ n - t < m > 0 \end{cases}$$

$$y = \begin{cases} m^2 + 3 & m \le -3 \\ m & -3 < m < 0 \\ m > 3 & m > 3 \end{cases}$$

$$\frac{h=6}{46}$$

$$y = \begin{cases} -m^3 & m \leq -1 \\ -m & m > -1 \end{cases}$$

$$y = \begin{cases} n^{2} + 5, & n > -2 \\ n^{3}, & n < -2 \\ 2, & n = -2 \end{cases}$$

$$y = \begin{cases} 3n & n < -1 \\ n^3 & = < n < 2 \\ 4 & n > 2 \end{cases}$$

$$49)$$

$$y = \begin{cases} -n^2 & n \leq 0 \\ n & 0 \leq n \leq 1 \end{cases}$$

$$2 & n = 1$$

$$4 & n > 1$$

$$y = \begin{cases} 2-n & n < 1 \\ 2 & n = 1 \\ n^2 & n \geq 1 \end{cases}$$

$$y = \begin{cases} 3m^2 - n & m < -1 \\ n & m > 1 \end{cases}$$

$$55) \quad y = \begin{cases} 1 & 0 < m < 1 \\ m & m \leq 0 \end{cases}$$

$$3 \quad m = 1$$

$$m^2 \quad m > 1$$