Il Smallest number = $(1.00)_2 \times 2^{\circ}$] non-negative largest number = $(1.11)_2 \times 2^{-1}$

Smallest number = (1.11)2×27 Inegative support

- 31 standard convention, (0.1d2d3d4) 2×2e for each value of e, we get 23=8 values. for 7 values of e, we get 8×7=56 h
 - N.B. 112 is also acceptable it negative support is not dearly mentioned.

4)
$$y = \frac{9}{16} = \frac{9}{16} + \frac{1}{16} = 0.0101$$
 $= 0.101 \times 2^{-1}$
 0.101×2^{-1}
 0.10