

16.6.1

$$S = 0$$

$$e+127 = 000\ 0000_2$$

$$e = -127_{10}$$

$$f = 000000000000000000000000 \text{ (23 zero)}$$

$$(-1)^0 \times 1.00 \dots 00 \times 2^{-127} \neq 0.0$$

16. 6. 2

2) 1.0
3f8 000000

b) -0.1
b d c c c c d

c) 2016.0
44fc0000

$$d) \begin{array}{r} 2.00390625 \\ 36800000 \end{array}$$

e) -3125.3125
 65435500

f) 0.33
3e28f5c3

g) -267
bf2685if

h) 3.14
4048f5c3

16.6.3

a) 40000000
 2.0

$$\begin{array}{r} b) \text{ } 6f8 \text{ } 0000 \\ - 1.0 \\ \hline \end{array}$$

c) $3d800000$
 0.0625

$$\begin{array}{r} d) \text{ c1804000} \\ - 16.03125 \end{array}$$

e) $42c81000$
 100.03125

f) 3f 99999a
1.2

g) 42f6e666
123.449997

h) $c_{2594864}$
 -54.320999