

pg. 281) # 2-18 even, 20-36 even

② 0

④ 4

⑥ $-\frac{2}{5}$

⑧ 4

⑩ -4

⑫ $-\frac{3}{2}$

⑭ -4

⑯ 0

⑰ $x = -\frac{7}{2}$

⑲ 8

⑳ 14

㉑ $\frac{1}{5}$

㉓ -0.04

㉔ \emptyset

㉖ -3.1

㉘ \emptyset

㉚ 10,000

㉜ .001 Patrick124

Solutions

$$\textcircled{6} \quad 6^x = \frac{1}{36^{1/5}} \Rightarrow 6^x = 36^{-1/5} \Rightarrow 6^x = (6^2)^{-1/5} \Rightarrow 6^x = 6^{-2/5} \Rightarrow x = -2/5$$

$$\textcircled{12} \quad 10^x = 1000^{-1/2} \Rightarrow 10^x = (10^3)^{-1/2} \Rightarrow 10^x = 10^{-3/2} \Rightarrow x = -3/2$$

$$\textcircled{18} \quad e^x = e^{-7/2} \Rightarrow x = -\frac{7}{2}$$