

1. a.  $01(11)^*0$

b.  $0^*10^*$

c.  $1^*$

2. a.  $(\backslash(\backslash))^*$   
          ↑      ↑  
      escaped  paren

b.  $(\backslash(\underbrace{(\backslash(\backslash))^*}_{\text{escaped paren}})\backslash)^*$

c.  $(\backslash( b \backslash))^*$  where "b" is the solution from part b