

1

$$(400-380)=20$$

Immediately sell futures, get  $380-377=3$

2

$$c=p+\exp(-r\tau)(F-K)$$

$$19.80199$$

call is selling for 10, so it is under its theoretical value

Buy the call, sell the put, sell the futures

3

F	6.29
K	6
tau	0.09863
r	0.015
c	0.577
p	0.43
c-p	0.147
PV(F-K)	0.2896

Call underpriced relative to put

So buy call, sell put, hedge by selling forward

4

$$F\exp(-r\tau)-K \leq C-P \leq F-K\exp(-r\tau)$$

$$0.280701 \quad 0.147 \quad 0.29887$$