

Physics 1214, Final: answers

P1 0.545 A

P2 0.0135 A

P3 442.5 pF

P4 $F_1 = -F_3 = 2.2 \times 10^{-4}$ N, $F_2 = 0$

P5 1×10^{-7} N

P6 0.5 A

P7 7.5 cm

P8 7.5 cm

P9 11 cm

P10 1.7 V