50. a. from the long-sleeved table, the probability that the next shirt sold is a medium, long sleeved print shirt is 0.05.

b. $Pr(\text{next shirt sold is a medium print shirt}) = (pr(\text{long sleeved medium print}) + pr(\text{short-sleeved medium print})) = 0.05 + 0.07 = \boxed{0.12}$

c. $pr(\text{next shirt sold is a long sleeved shirt}) = [pr(\text{long-sleeved small}) + pr(\text{long-sleeved medium}) + \text{long sleeve large}] = 0.08 + .22 + .14 = \boxed{.44}$

d. $pr(\text{next shirt sold is a medium}) = [Pr(\text{short-sleeved medium}) + pr(\text{long-sleeved medium}] = 0.05 + 0.07 = \boxed{.12}$

e. $pr(\text{medium/short sleeved plaid}) = \frac{Pr(\text{short-sleeved plaid and medium})}{Pr(\text{short-sleeved plaid})} = \frac{0.08}{0.15} = \boxed{.53}$

f) $pr(\text{medium plaid}) = pr(\text{short-sleeved medium plaid} + pr(\text{long-sleeve medium plaid}) = 0.08 + 0.1 = .18 = \frac{0.08}{.18} = \boxed{.44}$

$Pr(\text{medium plaid}) = pr(\text{short sleeve medium plaid} + pr(\text{long sleeve medium plaid}) = 0.08 + 0.1 = .18 = \frac{0.1}{.18} = \boxed{.56}$