1) $P(King\ on\ a2) = \frac{1}{7}$

- There is 1 king and 7 pieces left so $P(king) = \frac{1}{7}$

2) $P(knight\ on\ a2) = \frac{2}{7}$

- There is 2 knights and 7 pieces so $P(knight) = \frac{2}{7}$

3) $P(knight\ on\ a1) = 0\ because\ queen\ is\ already\ stand\ on\ a1$