

ANSWER KEY:

1. (2)

2. (4)

3. (1)

4. (3)

5. Dependent

6. No, when evaluating I found that  $P(\text{Male}) \cdot P(\text{Reality Series}) \neq P(\text{Male and Reality Series})$

CHALLENGE: (a)  $31/459$  (b) No, because  $P(\text{Junior}) \cdot P(\text{Math}) \neq P(\text{Junior and Math})$