Experimental and Theoretical Probability

Total points = 23

1. a. P(Heads) ✓
   $= \frac{75}{120}$ ✓
   $= \frac{5}{8}$ ✓
   b. P(Tails) ✓
   $= \frac{45}{120}$ ✓
   $= \frac{3}{8}$ ✓
2. a. P(Two heads) ✓
   $= \frac{117}{300}$ ✓
   $= \frac{39}{100}$ ✓
   b. P(A head and a tail) ✓
   $= \frac{80}{300}$ ✓
   $= \frac{4}{15}$ ✓
   c. P(Two tails) ✓
   $= \frac{103}{300}$ ✓
3. a. P(A red ace) ✓
   $= \frac{2}{52}$ ✓
   $= \frac{1}{26}$ ✓
   b. P(A black number card) ✓
   $= \frac{18}{52}$ ✓
   $= \frac{9}{26}$ ✓
   c. P(A red face card) ✓
   $= \frac{6}{52}$ ✓
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