NAME:_____

P.I. A.S.20: Calculate the probability of an event

1. Make up an experiment for which the theoretical probability of one outcome is $\frac{2}{9}$ and the theoretical probability of a different outcome is $\frac{1}{4}$.

[1] Answers will vary. Sample: There are 36 index cards of different colors, 8 are blue, 9 are red, 12 are yellow and 7 are purple. The probability of choosing a blue at random is $\frac{8}{36} = \frac{2}{9}$; the probability of choosing a red at random is $\frac{9}{36} = \frac{1}{4}$.