

## Stat 110 Homework 5

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1.

a)

$$P(C \mid G) = \frac{P(G \mid C) * P(C)}{P(G)}$$

$$P(C \mid G) = \frac{1 * \frac{1}{3}}{\frac{2}{3}} = \boxed{\frac{1}{2}}$$

b)

2.

a)

b)

c)

3.

4. a)

b)

c)

5. a)

b)