## 10.1 Intro to Prob Corrective Assignment #1

NAME:

Describe the likelihood of an event as impossible, unlikely, equally likely, likely or certain.

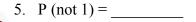
1. The school chess club wins  $\frac{7}{8}$  of the time.

2. It snows on  $\frac{9}{10}$  of the days in July.

3. There is a 0% chance that your feet will shrink overnight

4. The probability that the sun sets tomorrow is 1.

Find each theoretical probability as a FRACTION in SIMPLEST FORM, if you roll a standard number cube.



6. 
$$P(2 \text{ or } 5) =$$

7. 
$$P(1, 2 \text{ or } 5) =$$

8. 
$$P(\text{not a 1 or not 2}) = _____ 9. P(\text{odd number}) = ____ 10. P(< 5) = _____$$

10. 
$$P(<5) =$$

Suppose a number cube is rolled 240 times. About how many times should each event occur?

11. You roll a 2 or 3.

12. You roll an odd number.

Find the experimental probability of each event based off of counting a bag of M&Ms

colors	red	blue	green	brown	yellow
# of M&Ms	26	28	11	22	23

A bag of marbles contains: 5 green, 2 blue, 2 yellow, 1 purple and 10 red. Write each answer as a DECIMAL.

$18.~\mathrm{P(green)} = 0.25$	$I \gamma$ . $P(\text{not red}) = 0.5$	1.0 = (bllue) = 0.1	$\int \frac{s}{15}$ . P(brown or green) = $\frac{s}{15}$	14. P(not green) = $\frac{9}{10}$	13. P(brown) $\frac{1}{8}$
12. about 120 times	I I. about 80 times	$\frac{s}{\epsilon} = (\xi > )q  .01$	$\frac{1}{s} = (bbo) q \cdot \theta$	$\frac{s}{\epsilon} = (\Delta \text{ foot 1 or 1 or 2}) - \frac{s}{\epsilon}$	$\frac{1}{2} = (2, 2, 1)$ . $\nabla$
$\frac{t}{\epsilon} = (\epsilon \text{ to } 2) \text{q}$ .	$\frac{2}{6} = (1 \text{ ton}) \text{ f.}$	4. certain	3. impossible	2. likely	l. likely