Section 1.3/1.4   Name:_____

Things that need to be addressed again.

1   Measure the lines indicated below to:

A)   _____   B)_____   C)   _____

nearest inch

Ans A_____   Ans B_____   Ans C_____

nearest $\frac{1}{8}th$ of an inch

Ans A_____   Ans B_____   Ans C_____

nearest $\frac{1}{16}th$ of an inch

Ans A_____   Ans B_____   Ans C_____

nearest cm

Ans A_____   Ans B_____   Ans C_____

nearest half cm

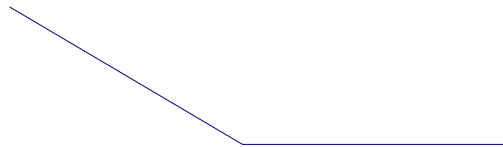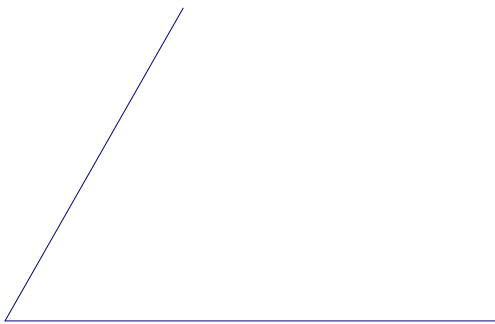Ans A_____   Ans B_____   Ans C_____

nearest mm

Ans A_____   Ans B_____   Ans C_____

2   Measure the following to the nearest

nearest multiple of 10°   nearest multiple of 10°

nearest multiple of 5°   nearest multiple of 5°

nearest degree   nearest degree

3   A carpenter is installing crown moldings and has to have one angle that measures 22.5°. He saws one molding and he measures the angle to be 23.5°. Comment on his:

    A)   accuracy

    B)   precision

4   In a deck of cards as displayed to the right then are 26 red (13 diamonds, 13 hearts) and 26 black (13 spades, 13 clubs). Determine

A)   the probability of selecting a heart as a fraction and percent.

B)   the probability of selecting a black card in words

C)   the probability of selecting a face card (Jack,

Queen or King)

D) the odds in favor of selecting a heart or a club

E) the odds in favor of selecting a face card

F) the odds against selecting a face card

3 Determine the probability of each even if:

A) odds in favor of an even are 1:5

B) odds against the even are 6:1

C) Odds in favor are 50:1

D) odds against the Event are 1:1
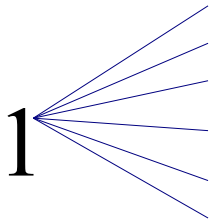
E) odds against are 3:1

4

	Tuesday Afternoon	Tuesday Evening	Tuesday Overnight	Wednesday Morning	Wednesday Afternoon
	Cloudy periods	Variable cloudiness	Variable cloudiness	Cloudy with showers	Cloudy with showers
Temp.	23°C	21°C	14°C	16°C	19°C
Wind	S 15km/h	S 10km/h	SE 5km/h	SE 10km/h	NE 10km/h
Relative Humidity	46 %	53 %	72 %	77 %	77 %
P.O.P.	20 %	20 %	30 %	40 %	60 %
Rain	-	-	-	less than 1 mm	close to 1 mm

A) What is the probability of precipitation on Wednesday morning as a percentage and a reduced fraction?

B) What is the probability of it not raining on Tuesday as a fraction and percentage.

C) What are the odds of precipitation on Wednesday pm.?

5   Draw a tree diagram for the rolling of two dice. List all outcomes in the format of {1,1}, {1,2}, {1,3}...etc

1

2

Outcomes:

Total outcomes:

A)   What is the probability of rolling two sixes in a row?

B)   What is the probability of rolling a sum greater then 5?

C)   What is the probability of rolling a greater than 7?

D)   What are the odds in favor of rolling "snake eyes"?

E)   What are the odds against rolling "snake eyes"?

F)   Which is more likely to happen rolling a sum of 5 or rolling a sum of 9?

G)   What are the odds against rolling a sum of 10?

6   A coin and a di are tossed. Draw a tree diagram and list all the outcomes.

7   You must use the smart board for parts of this question.

   A)   What is the theoretical probability of rolling heads on a coin?

   B)   In an experiment you toss the coin 40 times. How many times would you expect
         it to turn up heads in 40 tosses? Why?

   C)   Toss the coin 40 times using the smart board. How many times did it turn up
         heads? _____ Record how many times it turn up <u>heads</u> /40. This is known
         as the _____ probability.

8   What results would you expect from each experiment?

   a) You flip a coin 50 times.

   b) You roll one die 60 times. How many 3s would you get?

   c) You cut a deck of cards 40 times. How many hearts would
      you get?

   d) You roll one die 80 times. How many times would you roll
      an odd number?