PI DAY PUZZLES

Word Search – Pi is the 16th letter in the Greek alphabet. Find each of the other Greek letters hidden in the word search below. Words may go up, down, left, right, or diagonally.

A V O L U O V M R N A A I S B
T O O A P P K G O M P T F T E
E C N M M Z S L L P O G L Y T
H W R B C K I I A C L O S E A
T B Y D E S U K L O A F O G D
C E L A P A T O I O M T Z Z E
J V C E O M I C R O N E E E O
J A M M A G S I G M A T G Y H
M W B L C B C Q E N A F Z A R
I O P V E H W P W L B I Q Z E
Z H P H I W I S Y I Q Y Y A T
A F J L V E G I Q U R R W B L
Z E K V T J U M V M F E K Z P
S W R M M A U M M M Z P G X R
W T Y D T Z Y V K O O H G R L

alpha     beta
chi       delta
epsilon   eta
gamma     iota
kappa      lambda
omega      micron
phi        psi
rho        sigma
tau        theta
upsilon    zeta

Sudoku – Fill in the grid so each row, column, and block contains the numbers 1-9 exactly once. The given clues are the first 18 digits of pi

$$\pi \approx 3.14159265358979323…$$

(puzzle courtesy of BrainFreeze Puzzles)
Anagrams – unscramble the following letters to make words related to pi (or pie).

lapep  anaban  rubblyye  hercry  cacheloot
sadcurt  chrenf  kils  eyemilk  elmno  cheap
apetun  rutbet  capen  minkpup  barerspry

Crossword – complete the crossword puzzle using the following clues.

ACROSS
3 all points in a plane that are a set distance from a given point
6 the month when Pi Day is celebrated
9 this number doesn’t appear in the first 31 digits of pi
11 pi times the diameter of a circle
12 the length of a segment from the center of a circle to its perimeter
13 the set of all points in space that are a set distance from a given point

DOWN
1 pi times the radius squared of a circle
2 a segment passing through the center of a circle whose endpoints are on that circle
4 pi is an ______ number because it’s digits go on forever without repeating
5 the scientist who was born on Pi Day in 1879
7 an instrument used to draw circles
8 pi is the sixteenth letter in the ______ alphabet
10 4/3 times pi times the radius cubed equals the ______ of a sphere