

Geometry Development 2.1

Give the interior and exterior angle measure for each polygon.

- 1) Octagon 2) Undecagon 3) 16-gon 4) 28-gon

Give the number of diagonals in each polygon.

- 5) Octagon 6) Undecagon 7) 16-gon 8) 28-gon

Would you calculate perimeter, area, or volume in each instance below?

9) Distance around Mountain View High School.

10) Amount of wall paper for you new kitchen.

11) Amount of fencing to enclose your yard.

12) Amount of paint to cover the walls in your garage.

13) Amount of gasoline to top off you gas tank.

14) Amount of water you new hot top will hold.

Complete the pattern in by filling in the blank with the number that best fits.

- 15) 2, 4, 6, 8, ___ 16) 5, 3, 1, -1, ___ 17) -3, 1, 5, 9, ___ 18) 1, 4, 9, 16, ___ 19) 1, 3, 4, 7, ___

Sam is placing paintings at equal intervals along the wall of a hall in a museum. Given the coordinates of two of these paintings, state the location of the others.

A

B

C

D

E

F

G

20) A = 5, B = 15

21) B = 20, C = 28

22) A = 12, D = 54

23) C = 31, G = 83