

Warm-up

1. The angle of elevation from the ground to the top of the building is 60 degrees. If the vertex of the angle is 50 feet from the base of the building, how tall, in feet, is the building?

Grid your answer, to the nearest tenth of a foot, in the grid at the right.

	/	/	/	
.
0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9

2. A pyramid has a square base with sides of 2 centimeters and a height of 4 centimeters. What is the volume, in cubic centimeters, of the pyramid?

Grid your answer as a fraction, in the grid at the right.

	/	/	/	
.
0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9

- Answers:
1. 86.6
 2. $\frac{16}{3}$ Be sure students leave answer as an improper fraction