

4. A grain silo is in the shape of a cylinder with a hemisphere top. The cylinder is 20 feet tall. The volume of the silo is 2106π cubic feet. Find the radius of the silo.

In 5 – 8, write the simplest polynomial function with the given zero(s).

5. $2 + i$

6. $2 + i$ and 1

7. $2 + i, \sqrt{3}$, and 1

8. $2i, 1 + \sqrt{2}$, and $\sqrt{3}$