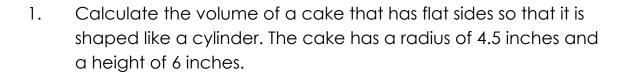# Pi Day

Use the Pi equations below to solve the problems.

- C = 2πr (Circumference of a circle = 2π x radius)
- A = πr^2 (Area of a circle = π x radius^2)
- V = πr^{2}h (Volume of a Cylinder = (π x radius^2 x height)

1. Calculate the volume of a cake that has flat sides so that it is shaped like a cylinder. The cake has a radius of 4.5 inches and a height of 6 inches.

2. Calculate the area of a cake that has a 6.5 inch diameter.

3. Calculate the circumference of a cake that has a 6.5 inch diameter.