

Exercise: Write a Pseudocode for these problems.

1. $S = (A + B + C) / Y$

```
Start
    READ A,B,C
    Q=A+B+C
    S=Q/Y
    WRITE S
END
```

2. Convert from Celsius to Fahrenheit.

```
START
    INPUT Celsius
    Fahrenheit = (Celsius * 9/5)+32
    PRINT Fahrenheit
END
```

FORMULA:

Celsius to Fahrenheit

$$(0^{\circ}\text{C} \times 9/5) + 32$$

3. Area of Circle(AC) (πr^2)

```
START
    PI=3.14
    INPUT r
    AC= PI*(r*r)
    PRINT AC
END
```

4. Volume of Sphere(VS) ($\frac{4}{3} \pi r^3$)

```
START
    PI=3.14
    INPUT r
    VS=(4*PI/3)*(r*r*r)
    PRINT VS
END
```

5. Average speed = $\frac{\text{Distance traveled}}{\text{Time taken}}$

```
START
    INPUT DistanceTraveled
    INPUT TimeTaken
    AverageSpeed = DistanceTraveled / TimeTaken
    PRINT AverageSpeed
END
```