

Name: \_\_\_\_\_

This work may be exhibited if my name is removed: Yes  No

**Instructions.** Always include explanations, so that other readers can tell what you did and why you did it. Never write outside the box.

**Celsius-Fahrenheit.** Water freezes at 32 degrees Fahrenheit and it boils at 212 degrees Fahrenheit. Water freezes at 0 degrees Celsius and it boils at 100 degrees Celsius. If  $y$  is the temperature of an object in degrees Fahrenheit and  $z$  is the temperature of the same object in degrees Celsius, then what equations relate  $y$  and  $z$ ? How do you convert a temperature in degrees Fahrenheit to degrees Celsius? How do you convert a temperature in degrees Celsius to degrees Fahrenheit?