

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

## Converting between Celsius and Kelvin

T1S2

A) Convert the temperatures from Celsius to Kelvin.

1)  $-17\text{ }^{\circ}\text{C} =$  \_\_\_\_\_ K

2)  $193\text{ }^{\circ}\text{C} =$  \_\_\_\_\_ K

3)  $75\text{ }^{\circ}\text{C} =$  \_\_\_\_\_ K

4)  $4\text{ }^{\circ}\text{C} =$  \_\_\_\_\_ K

5)  $155\text{ }^{\circ}\text{C} =$  \_\_\_\_\_

$=$  \_\_\_\_\_ K

7)  $61\text{ }^{\circ}\text{C} =$  \_\_\_\_\_

$=$  \_\_\_\_\_ K

B) Convert the temperatures from Kelvin to Celsius.

1)  $411\text{ K} =$  \_\_\_\_\_

$=$  \_\_\_\_\_  $^{\circ}\text{C}$

3)  $377\text{ K} =$  \_\_\_\_\_

$=$  \_\_\_\_\_  $^{\circ}\text{C}$

5)  $299\text{ K} =$  \_\_\_\_\_  $^{\circ}\text{C}$

6)  $428\text{ K} =$  \_\_\_\_\_  $^{\circ}\text{C}$

7)  $281\text{ K} =$  \_\_\_\_\_  $^{\circ}\text{C}$

8)  $397\text{ K} =$  \_\_\_\_\_  $^{\circ}\text{C}$

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

## Converting between Celsius and Kelvin

A) Convert the temperatures from Celsius to Kelvin.

1)  $-17\text{ }^{\circ}\text{C} = \underline{256.15}\text{ K}$

2)  $193\text{ }^{\circ}\text{C} = \underline{466.15}\text{ K}$

3)  $75\text{ }^{\circ}\text{C} = \underline{348.15}\text{ K}$

4)  $4\text{ }^{\circ}\text{C} = \underline{277.15}\text{ K}$

5)  $155\text{ }^{\circ}\text{C} = \underline{4}$

# PREVIEW

$= \underline{251.15}\text{ K}$

7)  $61\text{ }^{\circ}\text{C} = \underline{3}$

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$= \underline{312.15}\text{ K}$

B) Convert the temperatures from Kelvin to Celsius.

1)  $411\text{ K} = \underline{1}$

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$= \underline{33.85}\text{ }^{\circ}\text{C}$

3)  $377\text{ K} = \underline{1}$

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$= \underline{-13.15}\text{ }^{\circ}\text{C}$

5)  $299\text{ K} = \underline{25.85}\text{ }^{\circ}\text{C}$

6)  $428\text{ K} = \underline{154.85}\text{ }^{\circ}\text{C}$

7)  $281\text{ K} = \underline{7.85}\text{ }^{\circ}\text{C}$

8)  $397\text{ K} = \underline{123.85}\text{ }^{\circ}\text{C}$