

$$1. \quad -30 \cdot \frac{9}{5} = \frac{-270}{5} = -54 + 32 = -22^{\circ}\text{C}$$

$$\begin{aligned} 2. \quad & 5 \cdot (20 - 32) \\ & = -12 \cdot 5 \\ & = -60 \div 9 \\ & = 6.66^{\circ}\text{C} \end{aligned}$$

$$3. \quad \text{C} = 273.15 - 273.15 = 0^{\circ}\text{C}$$

$$\begin{aligned} 4. \quad & \text{F} = 9(273.15 - 273.15) \\ & = 0 \times 9 = 0 \\ & = 0 \div 5 = 0 \\ & = 0 + 32 \\ & = 32^{\circ}\text{F} \end{aligned}$$

$$4. \quad K = 97 + 273.15 \\ = 370.15 \text{ K}$$

$$F = \frac{9 \cdot 97}{5} = 873 \\ = 873 \div 5 \\ = 174.6$$

$$174.6 + 32 \\ = 206.6^\circ F$$

5.

$$F = 9 \cdot 37.5 \\ = 337.5$$

$$337.5 \div 5 = \\ = 67.5$$

$$67.5 + 32 \\ = 99.5^\circ F$$