Antarctic temperatures

This task is about linear equations that show change in temperature.



Temperatures at Scott Base are measured at 6:00 a.m. in the morning, and 6:00 p.m. in the evening. One Wednesday evening the temperature was -25°C. It had risen 13°C since the morning.

a) This equation show	s the temperature	change on that	Wednesday
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$$t+13=-25$$
i) What does t represent in the equation above?
ii) What is the value of t ? $^{\circ}$ C

b) This equation describes the change in temperature from that Wednesday evening to the following Thursday morning.

$$^{-}25 + x = ^{-}16$$

- i) What was the temperature on Thursday morning? °C
- ii) By how much did the temperature change overnight?

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