Answer on Question#39052 - Math - Algebra

Question: Scientists are studying the temperature on a distant planet. They find that the surface temperature at one location is 30 Celsius. They also find that the temperature decreases by 3 Celsius for each kilometer you go up from the surface.
Let represent the temperature (in Celsius), and let be the height above the surface (in kilometers).
Write an equation relating to , and then graph your equation using the axes below

Answer:
Let T – is the temperature (in Celsius) on the height H above the surface (in kilometers). Then

equation relating to T and H is: $T = 30 - 3*H$.

And graph is: