

1. (6 points) Let  $w$  be the thickness (in inches) of the insulating clothing chosen by a mountain climber. Let  $T(w)$  be her resulting body temperature, in Fahrenheit degrees.

a) (4 pts) What does the formula  $T'(4) = -0.4$  tell you, in terms of temperature and clothing?

b) (2 pts) Is the statement of part a) reasonable or unreasonable? No explanation necessary.