Suppose that the approximate relationship between the length of a man's foot, in centimeters, and his American shoe size is expressed in the following table.

Centimeters	22	24.5	27	29.5	32
Shoe Size	1	4	7	10	13

Let C = the length of a man's foot in centimeters, and
S = the man's approximate (American) shoe size.

(a) Show how to express the relationship between foot length and shoe size using a graph.

(b) Show how to find a formula, or equation, to express the relationship between foot length and shoe size.

(c) Show how to use both your graph and your formula to find the approximate shoe size for man whose foot length is 28 cm.

(d) Do you think your formula provides a good way to prescribe approximate shoe sizes? (Justify your answer.)