

The table shown below was posted on the wall at Andy's Hardware to show the price of varying lengths of chain-link fencing.

PRICE OF FENCING	
Length (feet)	Price
75	\$168.75
125	\$281.25
175	\$393.75
225	\$506.25

The price of the same fencing at Bargain Hardware can be determined by the equation  $y = 2.50x$ , where  $y$  is the price, in dollars, for  $x$  feet of fencing. Determine the unit price for fencing, in dollars per foot, for each store.

Show your work.

Answers Andy's Hardware \$ \_\_\_\_\_ per foot  
Bargain Hardware \$ \_\_\_\_\_ per foot

On the grid below, graph for each store the relationship between the length of the fencing and the price to verify your answers. Be sure to label each line.



Solve the equation below.

$$0.4\left(2x + \frac{1}{2}\right) = 3(0.2x + (-2)) - 4$$

Show your work.

Answer  $x =$  \_\_\_\_\_