

Applications of Slope and X- and Y-Intercepts

Set 4-4b

Amy has a gift card to a department store worth \$500. Suppose each item she buys costs \$25.

The value on the card is described by $V(x) = 500 - 25x$, where x represents the number of items bought.

- 1) If Amy buys seven items, how much is left on the card?

- 2) What is the y_i ? What does it mean?

- 3) What is the x_i ? What does it mean?

- 4) What is the slope? What does it mean?

- 5) How many items can Amy buy?