

# Applications of Slope and X- and Y-Intercepts

## Set 4-4a

Lea earns her salary by having a base pay of \$2,000 per month plus 5% of everything she sells. Her salary is described by  $s(x) = .05x + 2000$ , where  $x$  is the dollar amount she sells.

- 1) If, in a given month, Lea sold \$8000 of merchandise, how much did she earn in that month?
- 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) For Lea to earn \$10,000 in a given month, how much must she sell?