

Lesson 3-6  $\rightarrow$  Solving  $y = mx + b$   
Word Problems

Super Skates rents roller skates for \$5 per hour plus a cleaning fee of \$10. How much would 3 hours cost?

first model with  $y = mx + b$   
where  $y = \text{cost}$  &  $x = \text{hours}$

$$y = 5x + 10$$

Second substitute "3" for "x"

$$y = 5(3) + 10$$

$$y = 15 + 10$$

$$y = 25$$