

## Formulas and Problem Solving – Section 2.5

### Objectives

- A) Use formulas to solve problems
- B) Solve a formula or equation for one of its variables

### Distance Formula

$$d = rt$$

### Example 1

If a sailboat is travelling 30 mph, how long will it take to travel 135 miles?

### Example 2

If the perimeter of a garden is to be 150 feet and the length is 20 feet, how wide will the garden be?

Example 3

Convert  $5^{\circ}\text{C}$  to Fahrenheit.

Example 4

Solve the distance formula for time.

Example 5

Solve  $P = 2l + 2w$  for  $w$ .