

## Learning Goal 5.3: Practice

**1. A flag is 20 inches wide and 14 inches long. A company wants to DOUBLE the area of the table by increasing the length and width by the same amount.**

a) Write an equation that could be used to find the length and width of the new table:

b) Solve the equation:

c) State how much the length and width of table should be increased by:

**2. The diagonal of a window measures 25 cm. The length of the window is 3 less than the width.**

a) Write an equation that could be used to find the length and width of the window:

b) Solve the equation:

c) State the length and width of the window:

