For each of the following trapezoids, label the appropriate sides with the dimensions given:

1. B1 = 7 h = 5 2. B1= 7 h= 6 3. B1 = 4.2 h = 3.1

 B2 = 2 B2 = 3 B2 = 8.5

Find the area of each trapezoid by duplicating it, composing a parallelogram, finding the area of the parallelogram, and use it to find the area of the trapezoid.

Show all these steps.

2. The top is 10 cm. The bottom is 4 cm. The height is 6 cm. Label them.

 Show duplication and composition

Area of parallelogram:

 (Show work.)

Area of trapezoid:

 (Show work.)

3. The top is 9 cm. The bottom is 30cm.. The height is 22cm. Label them.

 Show duplication and composition

Area of parallelogram:

 (Show work.)

Area of trapezoid:

 (Show work.)