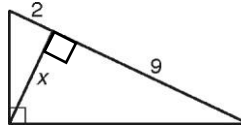**Show all work.**

For 1 & 5, either draw and label all 3 triangles or write the proportion identifying the parts.

(i.e. $\dfrac{\text{short side of small triangle}}{\text{hypotenuse of small triangle}} = \dfrac{\text{short side of large triangle}}{\text{hypotenuse of large triangle}}$**) Give answers in simplest radical form.**

Use the figure for Exercises 1–3.
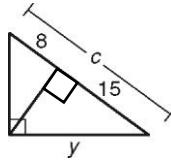
1. What proportion can be written to find
   the value of x?

2. What equation can be written to find
   the value of x?

3. Solve for x.

1. _____

2. _____

3. _____

Use the figure for Exercises 4–6.

4. How can you find the value of c?

5. What proportion can be written to
   find the value of y?

6. Solve for y.

4. _____

5. _____

6. _____