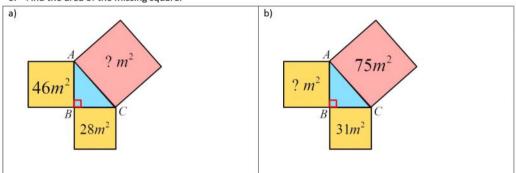
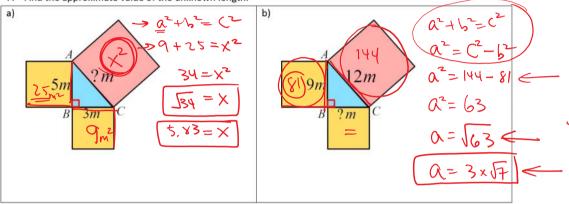
Name: Date: Math 8 Section 7.3 Estimating Square Roots 1. Draw an arrow to place the following numbers on the number line.  $\sqrt{20}$  $\sqrt{51}$ 2. Find two consecutive whole numbers that each square root is in between? b)  $\sqrt{65}$ d)  $\sqrt{219}$ 3. Given each of the following squares, what is the side length? Show all your work:  $20m^2$  $117m^{2}$ 230m 4. Approximate the following.  $b) \sqrt{809315} \approx 9 \overline{0} \overline{0}$ a)  $\sqrt{376816}$ =600  $f)\sqrt{0.80} \approx \left[0.81\right]$ e)  $\sqrt{0.0023}$ 0.05 5. Ms. Wu has a garden in the shape of a square in her back yard that measures 180 m². a. What are the approximate dimensions of the garden? S= 1100 b. If she was to put a fence around her garden, approximately how much fencing would she need? P-13.416m X4 Copyright All Rights Reserved Homework Depot www.BCMath.ca

6. Find the area of the missing square.



7. Find the approximate value of the unknown length.



- J63=(9)×J7 =3J7/
- 8. Mr. Chang wanted to put a square picture of area 2704 cm<sup>2</sup> into a frame that measures 50 cm by 60 cm. Would the picture fit in the frame? Explain why or why not.
- 9. Order the following numbers from least to greatest: 8,  $\sqrt{65}$ ,  $\sqrt{57.5}$ ,  $3 \times \sqrt{3}$ ,  $4 + \sqrt{11}$

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