In each problem, a and b are the lengths of the legs of a right triangle and c is the length of the hypotenuse. Find each missing length. USE SIMPLE RAD FORM WHEN NECESSARY

1. c if $a = 6$ and $b = 8$

2. a if $b = 12$ and $c = 13$

3. b if $a = 8$ and $c = 17$

4. c if $a = 10$ and $b = 3$

5. a if $b = 7$ and $c = 25$

6. b if $a = 24$ and $c = 40$

7. a if $b = 100$ and $c = 114$