

Name: _____

Estimating Roots Half-Sheet

For 1-4, estimate the square root to the nearest tenth. You do not need to check your estimates – I will accept all answers in a reasonable range.

1) $\sqrt{54}$

2) $\sqrt{7}$

3) $\sqrt{80}$

4) $\sqrt{147}$

5) Choose one of the problems from 1-4 and explain, in words, how you made your estimate.

For 6 and 7, estimate the square root to the nearest tenth. You do need to check your estimates by multiplying them back out. I will accept only the single closest estimate. Show all work – don't erase any guesses!

6) $\sqrt{13}$

7) $\sqrt{70}$

8) Put the values in order from least to greatest, then explain your thought process: $\sqrt{20}$, $\sqrt[3]{25}$, 3, 5

Least to greatest: __, __, __, __ Explain:

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