

HW 6.5

1) List out the square numbers from 1 to 225:

Simplify each radical. Show all your work!

2) $\sqrt{20}$

3) $\sqrt{125}$

4) $\sqrt{36}$

5) $\sqrt{30}$

6) $4\sqrt{125}$

7) $6\sqrt{175}$

$$8) -\sqrt{392}$$

$$9) -5\sqrt{20}$$

$$10) 14\sqrt{1014}$$

$$11) -10\sqrt{96}$$

12) Put the following radicals in order from smallest to largest. (use your calculator to approximate their values)

$$\sqrt{3}, \quad 2\sqrt{2}, \quad 1.5, \quad \sqrt{7}, \quad 2, \quad 3\sqrt{5}$$