Estimating Square Roots

Name _____

Class _____

Estimate to the nearest whole number. Label as rational(Q) or irrational(I).

1. $\sqrt{84}$
2. $\sqrt{10}$
3. $\sqrt{68}$
4. $\sqrt{98}$
5. $-\sqrt{121}$
6. $-\sqrt{78}$
7. $\sqrt{27}$
8. $-\sqrt{40}$
9. $-\sqrt{130}$
10. $\sqrt{9.8}$
11. $\sqrt{17.8}$
12. $-\sqrt{80.9}$
13. $-\sqrt{50}$
14. $\sqrt{8}$
15. $\sqrt{64}$
16. $-\sqrt{400}$
17. $-\sqrt{\frac{4}{9}}$
18. $-\sqrt{\frac{121}{36}}$
19. $\sqrt{\frac{49}{64}}$
20. $\sqrt{\frac{256}{441}}$
21. $\sqrt{171}$
22. $\sqrt{286}$
23. $\sqrt{529}$
24. $\sqrt{83}$

Name _____ Square Roots

More About Square Roots

A. $\sqrt{2}$ = _____ $\sqrt{10}$ = _____ $\sqrt{15}$ = _____ $\sqrt{3}$ = _____

B. $\sqrt{30}$ = _____ $\sqrt{5}$ = _____ $\sqrt{7}$ = _____ $\sqrt{99}$ = _____

C. $\sqrt{71}$ = _____ $\sqrt{17}$ = _____ $\sqrt{8}$ = _____ $\sqrt{52}$ = _____

D. $\sqrt{250}$ = _____ $\sqrt{500}$ = _____ $\sqrt{12}$ = _____ $\sqrt{33}$ = _____

E. $\sqrt{75}$ = _____ $\sqrt{150}$ = _____ $\sqrt{21}$ = _____ $\sqrt{40}$ = _____

F. $\sqrt{56}$ = _____ $\sqrt{60}$ = _____ $\sqrt{85}$ = _____ $\sqrt{90}$ = _____

G. $\sqrt{110}$ = _____ $\sqrt{125}$ = _____ $\sqrt{155}$ = _____ $\sqrt{37}$ = _____

H. $\sqrt{65}$ = _____ $\sqrt{95}$ = _____ $\sqrt{240}$ = _____ $\sqrt{525}$ = _____

I. $\sqrt{80}$ = _____ $\sqrt{600}$ = _____ $\sqrt{825}$ = _____ $\sqrt{130}$ = _____

J. $\sqrt{53}$ = _____ $\sqrt{27}$ = _____ $\sqrt{35}$ = _____ $\sqrt{1,000}$ = _____