

1. Integer Natural  
Transcendental Surd  
Rational IRational  
Write I, N, T, S, R or IR  
next to each number  
 $\sqrt{2}$       e  
-5      4  
 $\frac{3}{4}$        $2\sqrt{9}$   
Some numbers may  
need more than  
one letter.

2.  $14^2 =$   
 $0.6^2 =$   
 $\left(\frac{2}{7}\right)^2 =$   
 $\left(2\frac{3}{4}\right)^2 =$   
 $(1.3)^2 =$

3.  $\sqrt{256} =$   
 $\sqrt{169} =$   
 $\sqrt{0.25} =$   
 $\sqrt{\frac{9}{16}} =$

4.  $\sqrt{\quad} = 0.4$   
 $\sqrt{\quad} = \frac{4}{5}$   
 $\sqrt{\quad} = 1\frac{2}{3}$

5.  $6\sqrt{64} =$   
 $3\sqrt{400} =$   
 $-2\sqrt{81} =$   
 $\frac{3\sqrt{36}}{2} =$

6.  $\sqrt{441} - \sqrt{144} =$   
 $7\sqrt{100} + 3\sqrt{4} =$   
 $(\sqrt{121})^2 =$   
 $(2\sqrt{25})^2 =$

7. Express as a  
decimal (2 d.p.'s)  
 $\sqrt{8} =$   
 $4\sqrt{5} =$   
 $2\sqrt{6} + 3\sqrt{7} - \sqrt{11} =$

8. Simplify:  
 $\sqrt{20} =$   
 $\sqrt{200} =$   
 $\sqrt{56} =$   
Check you have  
gone as 'low'  
as you can

9. Simplify:  
 $\sqrt{a^2b} =$   
 $\sqrt{25a^3} =$   
 $2\sqrt{75x^2y^3} =$