

Name: _____

Section: _____

Perfect Squares Worksheet

1. Write the first 20 perfect squares:
2. Do you have them memorized yet? _____
3. Write the first 20 perfect squares once more 😊:
4. What **is** a perfect square?
5. How do you **find** the perfect squares?
6. What is the pattern between perfect squares and a root being rational or irrational?

Each square root is between two consecutive integers. Name the integers and then circle the one it is closest to.

7. $\sqrt{28}$

8. $\sqrt{44}$

9. $\sqrt{31}$

10. $\sqrt{52}$

11. $\sqrt{97}$

12. $\sqrt{60}$

13. Write whether the number is rational or irrational. Write "R" for rational and "I" for irrational.

a. $\sqrt{4}$

b. $\sqrt{13}$

c. $\sqrt{2}$

d. $\sqrt{12}$

e. $\sqrt{8}$

f. $\sqrt{36}$

g. $\sqrt{40}$

h. $\sqrt{49}$

i. $\sqrt{0}$

j. $\sqrt{200}$

k. $\sqrt{81}$

l. $\sqrt{5}$

m. $\sqrt{16}$

n. $\sqrt{6}$

o. $\sqrt{1}$

p. $\sqrt{25}$

q. $\sqrt{3}$

r. $\sqrt{50}$

s. $\sqrt{63}$

t. $\sqrt{64}$

u. $\sqrt{196}$

v. $\sqrt{44}$

w. $\sqrt{225}$

x. $\sqrt{10}$

y. $\sqrt{1}$

z. $\sqrt{9}$

aa. $\sqrt{100}$

bb. $\sqrt{30}$