Grade 9 Math Section 1.1-1.2 Assignment Practice Sheet

Name: ___

1.	What is	$\left(\frac{7}{4}\right)$	2 ?
	VVIIIat 15	\5 <i>/</i>	•

2. Determine
$$\sqrt{\frac{36}{81}}$$

3. Squar
$$\left(\frac{16}{25}\right)^2$$

5. Determine the number whose square root is
$$\frac{1}{3}$$
 $\sqrt{9} = \frac{1}{3}$

6. Estimate
$$\sqrt{\frac{39}{71}}$$
 using benchmarks.

7. Estimate
$$\sqrt{23.6}$$
 to 1 decimal place.

9. Is $\frac{50}{98}$ a perfect square? Show why or why not. So, any # between 13.69 and 14.44

$$\frac{50}{98} = \frac{25}{49}$$

$$\frac{50}{98} = \frac{25}{49}$$
 Since, $\frac{5}{7} \times \frac{5}{7} = \frac{25}{49}$, then yes $\frac{50}{98}$

is a perfect square.

10. Estimate $\sqrt{0.5}$ to 2 decimal places. Show all steps

VO.50 a-use 0 as place holder 8.0= 43.01

Check: (0.71)2=0.5041

10.01

8.0

Reduce fractions

Determine if each number is a perfect square: 11.

No, since you $=\frac{4}{25}$ Yes, since Yes, since $=\frac{4}{25}$ Yes, since $=\frac{4}{25}$ Yes, since $=\frac{4}{25}$ Yes, since $=\frac{4}{25}$ Yes, since $=\frac{4}{25}$ is in simplest form.

12. A square garden has an area of $7.84 m^2$.

A. What is the length of 1 side?

Side length=TArea = 17.84 = 2.8m

B. What is the perimeter of the garden?

Perimeter = 4xside length = 4x2.8=11.2m

C. If fencing costs \$2.50 per metre, how much would it cost to fence the garden?

He will need 12 meters, so 12x250= \$30

13. Place each square root correctly on the number line below:

$$\sqrt{\frac{25}{16}},$$

$$\mathbf{5}$$

$$\sqrt{\frac{144}{9}},$$

$$\sqrt{5} = 2.34$$

2 0 3