Grade 9 Math Section 1.1-1.2 Assignment Practice Sheet
Name: $\qquad$

1. What is $\left(\frac{7}{5}\right)^{2}$ ?
2. Determine $\sqrt{\frac{36}{81}}$
3. Square $\left(\frac{16}{25}\right)^{2}=$
4. Find the square root of $0.0064 \sqrt{0.0064}$
5. Determine the number whose square root is $\frac{1}{3} \sqrt{9}=\frac{1}{3}$
6. Estimate $\sqrt{\frac{39}{71}}$ using benchmarks.

$$
=\sqrt{\frac{36}{64}}=\frac{6}{8}=\frac{3}{4}
$$

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

4.9
8. Determine a number that has a square root between $(3.7)^{2}$ nd $(3.8 .)^{2}$
13.75 (answers may vary).
$\begin{array}{lll}5 & 13.69 & 14.44\end{array}$
*Reduce
$9.15{ }^{50}{ }^{50}$ i. perfect square? Show why or why not. So, any $\#$ between 13.69 and 14.44 to check *

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

is a perfect square.
10. Estimate $\sqrt{0.5}$ to 2 decimal places. Show all steps.
$\sqrt{0.50}$-use 0 as place holder


$$
\text { check: }(0.71)^{2}=0.5041
$$

11. Determine if each number is is a perfect square:

B. What is the perimeter of the garden?

Perimeter $=4 \times$ side length $=4 \times 2.8=11.2 \mathrm{~m}$
c. If fencing costs $\$ 2.50$ per metre, how much would it cost to fence the garden?

He will need 12 meters, so $12 \times 2.50=\$ 30$
13. Place each square root correctly on the number line below:

$$
\begin{array}{ccccc}
=1.58 & =4.5 & =\frac{\sqrt{2.5}}{\sqrt{2.5,}} & =\frac{\sqrt{25}}{16}, & \sqrt{\frac{\sqrt{444}}{9}}, \\
& & =12 \\
& & =105 & =4
\end{array}
$$



