

7-2 Non-Perfect Squares

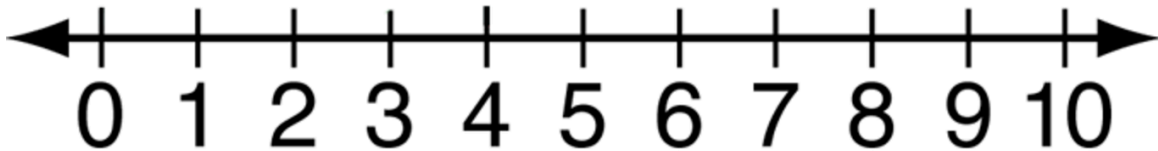
Name _____ Per. ____

1. Consider each expression:

$$\sqrt{8}, \sqrt{91}, \sqrt{70}, \sqrt{45}$$

Order the expressions from least to greatest.

2. Locate the approximation of each expression [from Question 1] on the number line.



3. Explain the strategy you used to plot each value.

4. Use a calculator to evaluate each square root. Show each answer to the thousandths place [0.000 – three decimal places after the decimal].

a. $\sqrt{25} =$ _____

e. $\sqrt{-25} =$ _____

i. $\sqrt{6760} =$ _____

b. $\sqrt{0.25} =$ _____

f. $\sqrt{2.5} =$ _____

j. $\sqrt{6.76} =$ _____

c. $\sqrt{250} =$ _____

g. $\sqrt{2500} =$ _____

k. $\sqrt{67.6} =$ _____

d. $\sqrt{5} =$ _____

h. $\sqrt{676} =$ _____

l. $\sqrt{-6.76} =$ _____