NAME _____ QUARTER 1

GRADE & SECTION _____ DATE _____

Activity: Principal Roots

A. Determine the principal roots in each item. If the root is irrational, write IRR. And if the root is imaginary, write IM.

1) $\sqrt{49} =$ ____

2) $\sqrt{8} =$ ____

3) $\sqrt{64} =$ ____

4) $\sqrt{81} =$ ____

5) $\sqrt{-9} =$ ____

6) $\sqrt{196} =$ ____

7) $\sqrt{-36} =$ ____

8) $\sqrt{27} =$ ____

4) $\sqrt[3]{64} =$ ____

10) $\sqrt[3]{-8} =$ ____

B. Determine which two integers the principal root in each item lies in between.

1) ____ $< \sqrt{40} <$ ____

2) ____ $< \sqrt{8} <$ ____

3) ____ $< \sqrt{125} <$ ____

4) ____ $< \sqrt{240} <$ ____

5) ____ $< \sqrt[3]{36} <$ ____

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LIVEWORKSHEETS