**Write as a decimal. Show all work.**

**1.**  **2.**

**Write as a fraction. Show all work.**

**3.** **4.**

**Simplify each expression. Write with positive exponents. Show all work.**

**5.** **6.**

**7.**  **8.**

**9.**  **10.**

**11.** **12.**

**13.**  **14.**

**15.**  **16.**

**17.** When two monomials are multiplied, what do you do to the powers?

**18.** When two monomials are divided, what do you do to the powers?

**Find the value of the square root.**

**19.**  **20.**

**Estimate the value of the square root.**

**21.**  **22.**

**Between which two integers are the following numbers located?**

(For example, is between integers 2 and 3.)

**23.**  **24.**

**25.**  **26.**

**Classify each number as rational or irrational. Explain your reasoning.**

**27.**  **28.**

**29.**  **30.**

**31.**  **32.**

**33.** **34.**