

Final Review Real Number Properties

1. Classify each number below as either **rational or irrational**. If you believe your number is rational, prove your answer by writing it as a fraction. The first one is done for you.

	Rational or Irrational?	Fraction?
1) π	Irrational	No
2) $-\frac{3}{10}$		
3) $\sqrt{40}$		
4) $\sqrt{81}$		
5) $2\frac{1}{3}$		
6) 0.35		
7) 0.33333 ...		
8) -9		
9) 3.4		
10) $\sqrt{2}$		

2. Order the following sets of numbers from **least to greatest**.

$$\sqrt{80}, 8, 9, 8.5, \sqrt{62}$$

$$-\sqrt{13}, -3, -4, -3.5$$

$$\sqrt{2}, 1.41, 1.4, 1\frac{1}{2}, 1.4\bar{2}$$

$$1.2, -2\pi, -3\frac{1}{2}, \sqrt[3]{6}, \frac{4}{3}, -6.28, -\sqrt{2}$$