## Rational/Irrational Worksheet

Name $\qquad$ Date $\qquad$
Classify these numbers as either rational or irrational and explain your reasoning.

1) 74

Why? $\qquad$
3) $\frac{2}{15}$

Why? $\qquad$ Why? $\qquad$
5) $\sqrt{36}$
6) 4.2435 ...

Why? $\qquad$
Why? $\qquad$
8) $\pi$
7) $\sqrt{2}$

Why? $\qquad$
2) .01283...

Why? $\qquad$
4) .25

Why? $\qquad$

Give an example of a number that would satisfy these rules.
9) A number that is rational and is a fraction.
10) A number that is irrational because it is a non-terminating, non-repeating decimal.
11) A number that is rational because it is a terminating decimal.
12) A number that is rational because it is a repeating decimal.

Classify each number as rational or irrational. Place the following numbers in the diagram.


