Precalc

Lesson 6 practice

Name:

Determine which sets are closed under which operations.

set	addition	subtraction	multiplication	division
odd numbers	not closed	not closed	closed	not closed
even numbers	closed	closed	closed	not closed
natural numbers	closed	not closed	closed	not closed
whole numbers	closed	not closed	closed	not closed
integers	closed	closed	closed	not closed
rational numbers	closed	closed	closed	not closed because of 0
irrational numbers	not closed	not closed	not closed	not closed
real numbers	closed	closed	closed	not closed because of 0
positive real numbers	closed	not closed	closed	closed
negative real numbers	closed	not closed	not closed	not closed
imaginary numbers	closed	closed	not closed	not closed
complex numbers	closed	closed	closed	not closed because of 0
polynomials of degree 2	not closed	not closed	not closed	not closed
polynomials of degree 3	not closed	not closed	not closed	not closed
polynomials	closed	closed	closed	not closed