Name:_____

Math 55 Take-Home Pre-Test

Answer as many of the following questions as you can. If you genuinely do not know how to solve a problem, even after trying, write "I don't know"; do not guess. You are encouraged to use any notes you still have from previous math classes. Show all work; do not use a calculator.

Section N

N1) $23 \cdot 5790 =$

N2) $960 \div 18 =$

N3) $3^4 =$

N4) $5^3 \cdot 10^4 =$

N5) $40 - 16 \div 4 \cdot 3^2 =$

Section Z

Z1) $123 - 567 =$

Z2) $(-54) + (-23) =$

Z3) $54 - (-23) =$

Z4) $(-5) \cdot (-8) =$

Z5) $27 \div (-9) =$

Section Q (Simplify completely; leave answers as fractions.)

Q1) $(5\frac{1}{2})\cdot(3\frac{2}{3})=$

Q2) $\frac{15}{8}\div\frac{3}{12}=$

Q3) $(5\frac{1}{2})+(3\frac{2}{3})=$

Q4) $\frac{15}{8}-\frac{3}{12}=$

Q5) $\dfrac{(\frac{1}{400})}{(\frac{1}{50})}=$

Section R (Write answers as decimals when needed.)

R1) $1.234+56.78=$

R2) $5.43\cdot32.1=$

R3) $146.61\div2.7=$

R4) $0.6^5=$

R5) $1.2^5=$