Int Math 2   Name_____

Basic Skills 1

Date_____ Period_____

Simplify then state if the number is RATIONAL or IRRATIONAL

1) $\sqrt{36}$

2) $-2\sqrt{36}$

Simplify. Your answer should contain only positive exponents.

3) $2m \cdot 2m^2$

4) $xy \cdot xy^2$

Simplify each expression.

5) $4n - 6n$

6) $7 + 6(1 - x)$

7) $3(m + 5) + 2(2 - 2m)$

Find each product.

8) $(2p + 5)(5p - 2)$

Simplify. Your answer should contain only positive exponents.

Simplify the following imaginary root.

10) $\sqrt{-9}$

9) $\left(xy^3 \cdot x^3\right)^2$