

Answers to 2.3 Operations in the Number Systems

1) Irrational; Rational + irrational is always irrational

3) Rational; $-\frac{11}{2}$

5) Irrational; irrational * rational is always irrational

7) Rational; 5

9) $9 - 8i$

11) $5 + 5i$

13) -5

15) $8 - 14i$

17) $8 - 4i$

19) $-55 - 48i$

21) $8 - 10i$

23) $-3 - 14i$