

Answers to Classwork – Miscellaneous Equations

1.  $\{-5, -2, 0\}$

8.  $\{-1, 15\}$

2.  $\left\{-\frac{3}{2}, \pm 1\right\}$

9.  $\{-31, 33\}$

3.  $\left\{-3, 1, \frac{-1 \pm i\sqrt{3}}{2}\right\}$

10.  $\left\{\frac{80}{3}\right\}$

4.  $\left\{\frac{1}{2}, -2, 1 \pm i\sqrt{3}\right\}$

11.  $\{\pm 1, \pm 2\}$

5.  $\left\{-\frac{5}{2}\right\}$

12.  $\left\{\sqrt[3]{3}, -1, \frac{1 \pm i\sqrt{3}}{2}\right\}$

6.  $\emptyset$

13.  $\{1\}$

7.  $\{4\}$