

5.2 Roots by Completing the Square

1. $3 \pm \sqrt{10}$

2. $-12 \pm \sqrt{43}$

3. $-\frac{3}{2} \pm \frac{\sqrt{5}}{2}$

4. $2 \pm \sqrt{3}$

5. $-3 \pm \sqrt{11}i$

6. $4 \pm 3\sqrt{2}$