

Math C

11.3 Complex Solutions part 1

Solve.

1.  $a^2 + 16 = 0$

2.  $c^2 + 11 = 0$

3.  $m^2 + 12 = 0$

4.  $p^2 + 14 = -36$

5.  $3a^2 + 2 = a^2 - 8$

6.  $3k^2 + 124 = 100$

7.  $9j^2 + 2 = 0$

8.  $4q^2 + 7 = 0$

**Answer List**

- |                             |                             |
|-----------------------------|-----------------------------|
| 1. $\pm 4i$                 | 2. $\pm\sqrt{11}i$          |
| 3. $\pm 2\sqrt{3}i$         | 4. $\pm 5\sqrt{2}i$         |
| 5. $\pm\sqrt{5}i$           | 6. $\pm 2\sqrt{2}i$         |
| 7. $\pm\frac{\sqrt{2}i}{3}$ | 8. $\pm\frac{\sqrt{7}i}{2}$ |

**Catalog List**

- |              |              |              |              |
|--------------|--------------|--------------|--------------|
| 1. TRI DC 1  | 2. TRI DC 5  | 3. TRI DC 9  | 4. TRI DC 13 |
| 5. TRI DC 45 | 6. TRI DC 47 | 7. TRI DC 49 | 8. TRI DC 51 |