

Square Root Property and Completing the Square - Key

In problems 1-7, solve each equation using the square root property

1. $x = \pm 4$	2. $x = \pm 2i$
3. $x = \pm 2\sqrt{3}$	4. $x = \frac{\pm 4\sqrt{14}}{7}$
5. $x = \frac{1 \pm 2\sqrt{6}}{5}$	6. $x = \frac{1}{8} \pm \frac{\sqrt{5}}{4}i$
7. $x = 1, x = -11$	

In problems 8-10, solve each equation by completing the square

8. $x = -5 \pm 2\sqrt{7}$	9. $x = 8 \pm 4\sqrt{2}$
10. $x = \frac{-5 \pm \sqrt{33}}{2}$	