

Algebra 2: Homework 32

Solve:

1. $4 - \sqrt{x} = 7$

2. $\sqrt{2 - 2y} = y + 3$

3. $y = 3 + \sqrt{30 - 2y}$

Simplify:

4. $\frac{13}{\sqrt{72}}$

5. $6\sqrt{\frac{4}{3}}$

6. $\sqrt{\frac{8}{3}} + \sqrt{\frac{2}{3}}$

7. $\frac{3}{\sqrt{10} - 2}$

8. $(\sqrt{7} - \sqrt{3})^2$

Solve, state the solution set, and graph the solution set on a number line:

9. $|x + 4| < 2$