

Algebra 2: Homework 31

1. What is the conjugate of $17 - \sqrt{11}$?

Simplify:

2. $\sqrt{\frac{2}{3}}$

3. $\frac{1}{4 - \sqrt{3}}$

4. $\frac{2 + \sqrt{5}}{4 - \sqrt{5}}$

5. $\sqrt[3]{\frac{3}{16}}$

6. $\frac{4}{3 + \sqrt{11}}$

7. $5\sqrt{18} \cdot \sqrt{\frac{1}{3}}$

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

9. $\frac{\frac{3}{x^2} + \frac{5}{x^3}}{\frac{10}{x} + 6}$