

Operations with radicals day 1

Date _____ Period _____

Simplify.

1) $\sqrt{98}$

2) $\sqrt{64}$

3) $\sqrt{252}$

4) $\sqrt{105}$

5) $3\sqrt{2} + 2\sqrt{2} - \sqrt{6}$

6) $2\sqrt{3} - \sqrt{3} + 3\sqrt{3}$

7) $2\sqrt{27} - 2\sqrt{2} - \sqrt{8}$

8) $3\sqrt{24} + 3\sqrt{54} - \sqrt{8}$

Answers to Operations with radicals day 1

1) $7\sqrt{2}$
5) $5\sqrt{2} - \sqrt{6}$

2) 8
6) $4\sqrt{3}$

3) $6\sqrt{7}$
7) $6\sqrt{3} - 4\sqrt{2}$

4) $\sqrt{105}$
8) $15\sqrt{6} - 2\sqrt{2}$