Algebra
A063-Adding & Subtracting Radical Expressions

Simplify.

1. $-2\sqrt{12}+2\sqrt{3}$

A) $-8\sqrt{3}$ C) $-2\sqrt{3}$
B) $-4\sqrt{3}$ D) $-6\sqrt{3}$

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

A) $-6\sqrt{3}$ C) $-4\sqrt{3}$
B) $-5\sqrt{3}$ D) $-7\sqrt{3}$

3. $-2\sqrt{24}+3\sqrt{6}$

A) $\sqrt{6}$ C) $2\sqrt{6}$
B) $-\sqrt{6}$ D) $-2\sqrt{6}$

4. $-2\sqrt{2}-\sqrt{18}$

A) $-11\sqrt{2}$ C) $-8\sqrt{2}$
B) $-5\sqrt{2}$ D) $-14\sqrt{2}$

5. $-\sqrt{6}-3\sqrt{54}$

A) $-21\sqrt{6}$ C) $-11\sqrt{6}$
B) $-12\sqrt{6}$ D) $-10\sqrt{6}$

6. $-2\sqrt{24}-2\sqrt{6}$

A) $-16\sqrt{6}$ C) $-12\sqrt{6}$
B) $-6\sqrt{6}$ D) $-10\sqrt{6}$

7. $-3\sqrt{20}+3\sqrt{2}+3\sqrt{5}+3\sqrt{8}$

A) $-3\sqrt{5}+9\sqrt{2}$ C) $-3\sqrt{5}+18\sqrt{2}$
B) $-3\sqrt{5}+15\sqrt{2}$ D) $-3\sqrt{5}+21\sqrt{2}$

8. $-\sqrt{5}-3\sqrt{45}-3\sqrt{20}+3\sqrt{18}$

A) $-22\sqrt{5}+9\sqrt{2}$ C) $-29\sqrt{5}+9\sqrt{2}$
B) $-28\sqrt{5}+9\sqrt{2}$ D) $-16\sqrt{5}+9\sqrt{2}$

9. $3\sqrt{18}-3\sqrt{8}+3\sqrt{27}-\sqrt{3}$

A) $3\sqrt{2}+16\sqrt{3}$ C) $3\sqrt{2}+8\sqrt{3}$
B) $-3\sqrt{2}+16\sqrt{3}$ D) $3\sqrt{2}+7\sqrt{3}$

10. $2\sqrt{12}+2\sqrt{27}+2\sqrt{8}-\sqrt{27}$

A) $13\sqrt{3}+4\sqrt{2}$ C) $14\sqrt{3}+4\sqrt{2}$
B) $7\sqrt{3}+4\sqrt{2}$ D) $17\sqrt{3}+4\sqrt{2}$