

Accuplacer Study Modules

TOPIC: Adding and Subtracting Radicals

Instructions: Perform the indicated operation.

1. $2\sqrt{5} - 9\sqrt{5}$

$$(2 - 9)\sqrt{5}$$

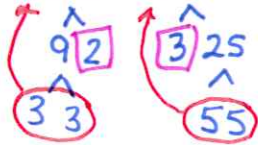
$$\boxed{-7\sqrt{5}}$$

2. $8\sqrt{30} + \sqrt{30}$

$$(8 + 1)\sqrt{30}$$

$$\boxed{9\sqrt{30}}$$

3. $6\sqrt{18} - 3\sqrt{75}$

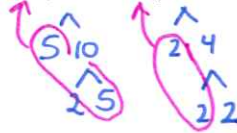


$$\boxed{18\sqrt{2} - 15\sqrt{3}}$$



cannot be further
simplified due to
different radicands

4. $2\sqrt{50} + 5\sqrt{8}$



$$10\sqrt{2} + 10\sqrt{2}$$

$$(10 + 10)\sqrt{2}$$

$$\boxed{20\sqrt{2}}$$