

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Simplify the Radicals**

$$2\sqrt{3} + 2\sqrt{3} - 3\sqrt{3} = \underline{\hspace{2cm}}$$

$$7\sqrt{2} + 5\sqrt{2} - 6\sqrt{2} = \underline{\hspace{2cm}}$$

$$8\sqrt{17} - \sqrt{17} + 6\sqrt{17} = \underline{\hspace{2cm}}$$

$$11\sqrt{3} - 2\sqrt{11} + 5\sqrt{11} = \underline{\hspace{2cm}}$$

$$5\sqrt{5} + 4\sqrt{5} - 3\sqrt{5} = \underline{\hspace{2cm}}$$

$$8\sqrt{2} + 4\sqrt{2} - 3\sqrt{2} = \underline{\hspace{2cm}}$$

$$9\sqrt{11} - 8\sqrt{11} + \sqrt{11} = \underline{\hspace{2cm}}$$

$$5\sqrt{3} - 5\sqrt{3} + 4\sqrt{2} = \underline{\hspace{2cm}}$$

$$6\sqrt{5} - 2\sqrt{3} + 2\sqrt{5} = \underline{\hspace{2cm}}$$

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### Answers

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

$$7\sqrt{2} + 5\sqrt{2} - 6\sqrt{2} = 6\sqrt{2}$$

$$8\sqrt{17} - \sqrt{17} + 6\sqrt{17} = 13\sqrt{17}$$

$$11\sqrt{3} - 2\sqrt{11} + 5\sqrt{11} = 14\sqrt{11}$$

$$5\sqrt{5} + 4\sqrt{5} - 3\sqrt{5} = 6\sqrt{5}$$

$$8\sqrt{2} + 4\sqrt{2} - 3\sqrt{2} = 9\sqrt{2}$$

$$9\sqrt{11} - 8\sqrt{11} + \sqrt{11} = 2\sqrt{11}$$

$$5\sqrt{3} - 5\sqrt{3} + 4\sqrt{2} = 4\sqrt{2}$$

$$6\sqrt{5} - 2\sqrt{3} + 2\sqrt{5} = 8\sqrt{5} - 2\sqrt{3}$$