

Name \_\_\_\_\_

# Rational and Irrational Numbers

Add the following numbers.

(1) $(3\sqrt{2} + 7\sqrt{3})$ and $(\sqrt{2} - 5\sqrt{3})$ $(4\sqrt{2} + 2\sqrt{3})$	(2) $(5\sqrt{5} + \sqrt{3})$ and $(2\sqrt{5} + 2\sqrt{3})$ $(7\sqrt{5} + 3\sqrt{3})$
(3) $(\sqrt{7} + 3)$ and $(5 + 2\sqrt{7})$ $(8 + 3\sqrt{7})$	(4) $(2\sqrt{2} + 3\sqrt{3} + 5\sqrt{3})$ and $(4\sqrt{2} + 2\sqrt{3} + 3\sqrt{2})$ $(9\sqrt{2} + 11\sqrt{3})$
(5) $(2\sqrt{5} + 3\sqrt{7} - 5\sqrt{7})$ and $(4\sqrt{7} + 4\sqrt{5} + 3\sqrt{7})$ $(6\sqrt{5} + 5\sqrt{7})$	(6) $(2\sqrt{3} + 3\sqrt{5} + 5\sqrt{2})$ and $(4\sqrt{5} - 6\sqrt{5} + 2\sqrt{2})$ $(7\sqrt{2} + 2\sqrt{3} - 3\sqrt{5})$
(7) $(4\sqrt{2} + 3\sqrt{2} + 5\sqrt{3})$ and $(\sqrt{2} + \sqrt{3})$ $(8\sqrt{2} + 4\sqrt{3})$	(8) $(3\sqrt{2} + \sqrt{7})$ and $(\sqrt{2} + 2\sqrt{7} + 3\sqrt{5})$ $(4\sqrt{2} + 3\sqrt{7} + 3\sqrt{5})$