

Name _____

Rational and Irrational Numbers

Solve the following and write the following
as rational or irrational.

1) $(5 - \sqrt{5})(5 + \sqrt{5})$ _____	2) $(\sqrt{3} + 2)^2$ _____
3) $\frac{2\sqrt{13}}{3\sqrt{52} - 4\sqrt{117}}$ _____	4) $\sqrt{2} + 4\sqrt{32} - 6\sqrt{2}$ _____
5) $\sqrt{72} + \sqrt{800} - \sqrt{18}$ _____	6) $\sqrt{25} + 5$ _____