

Name: _____

Math is Gold

Date: _____

Topic: Radicals

(id:rad_div_A.1)

Title: Simplify the radicals by Rationalization

1) $\frac{3}{1+\sqrt{2}}$

2) $\frac{2}{\sqrt{2}+\sqrt{3}}$

3) $\frac{8}{\sqrt{7}-\sqrt{3}}$

4) $\frac{1}{2+\sqrt{5}}$

5) $\frac{6}{\sqrt{5}-\sqrt{7}}$

6) $\frac{7}{3+\sqrt{2}}$

$$7) \frac{6}{\sqrt{5} + \sqrt{11}}$$

$$8) \frac{3}{\sqrt{2} + \sqrt{5}}$$

$$9) \frac{20}{1 + \sqrt{11}}$$

$$10) \frac{5}{\sqrt{7} - \sqrt{2}}$$

$$11) \frac{\sqrt{2}}{1 - \sqrt{2}}$$

$$12) \frac{\sqrt{5}}{\sqrt{5} - \sqrt{7}}$$

$$13) \frac{2\sqrt{3}}{\sqrt{5}-\sqrt{3}}$$

$$14) \frac{1-2\sqrt{3}}{1+\sqrt{3}}$$

$$15) \frac{\sqrt{3}+\sqrt{2}}{\sqrt{3}-\sqrt{2}}$$