

Name _____
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Date _____
Pre-Calculus

Rationalizing the Denominator

Rationalize the denominator of the following irrational expressions

1. $\frac{2}{\sqrt{5}}$

2. $\frac{-7}{\sqrt{11}}$

3. $\frac{2}{5-\sqrt{2}}$

4. $\frac{4}{3+\sqrt{6}}$

5. $\frac{6}{2-\sqrt{3}}$

6. $\frac{-5}{2+\sqrt{7}}$

$$7. \frac{10}{6-\sqrt{3}}$$

$$8. \frac{-4}{2+\sqrt{10}}$$

$$9. \frac{9}{\sqrt{5}+9}$$

$$10. \frac{\sqrt{3}}{\sqrt{2}-6}$$

$$11. \frac{2+\sqrt{3}}{2-\sqrt{3}}$$

$$12. \frac{4+\sqrt{7}}{5-\sqrt{2}}$$