

9.1 Simplifying Radical Expressions Conjugates DAY THREE with work

Simplify each

$$\frac{5(\sqrt{7}-\sqrt{3})}{(\sqrt{7}+\sqrt{3})(\sqrt{7}-\sqrt{3})} = \frac{5\sqrt{7}-5\sqrt{3}}{4}$$

$$\sqrt{49} - \sqrt{21} + \sqrt{21} - \sqrt{9}$$

$$7 - 3 = 4$$

$$\frac{3\sqrt{7}(5\sqrt{3}-3\sqrt{5})}{(5\sqrt{3}+3\sqrt{5})(5\sqrt{3}-3\sqrt{5})} = \frac{15\sqrt{21}-9\sqrt{35}}{30}$$

$$\frac{25\sqrt{9}-15\sqrt{15}+15\sqrt{15}-9\sqrt{25}}{75-45} = \frac{5\sqrt{21}-3\sqrt{35}}{10}$$

Apr 1-9:50 AM

What conjugate would you use?

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

$$5 + \sqrt{2}$$

22. $\frac{8}{3+\sqrt{3}}$

$$3 - \sqrt{3}$$

23. $\frac{5}{\sqrt{7}+\sqrt{3}}$

$$\sqrt{7} - \sqrt{3}$$

24. $\frac{3\sqrt{7}}{-1-\sqrt{27}}$

$$-1 + \sqrt{27}$$

Assignment 9.1 DAY THREE

9.1 Skills Practice WS

All: 1 - 24