

MATH [0372] – [RADICALS; MULTIPLICATION DIVISION]

Instructions: multiply or divide the following radical expressions, simply if possible

1. $(7\sqrt{3})(5\sqrt{11})$

2. $(4\sqrt{6})(2\sqrt{15})(3\sqrt{10})$

3. $\sqrt{3}(\sqrt{2} - 3\sqrt{3})$

4. $(\sqrt{x} + 4)(\sqrt{x} + 2)$

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

6. $\frac{2}{\sqrt{8}}$

7. $\frac{3x}{\sqrt{2x}}$

8. $\frac{\sqrt{7}}{\sqrt{7}-1}$

9. $\frac{\sqrt{5}-\sqrt{3}}{\sqrt{5}+\sqrt{3}}$

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1. $35\sqrt{33}$	2. 720	3. $\sqrt{6} - 9$
4. $x + 6\sqrt{x} + 8$	5. $3\sqrt{2}$	6. $\frac{\sqrt{2}}{2}$
7. $\frac{3\sqrt{2x}}{2}$	8. $\frac{7+\sqrt{7}}{6}$	9. $4 - \sqrt{15}$

