Wurzeln - W4 (Multiplizieren)

Name_____ Datum_____

Vereinfache!

1) $-2\sqrt{5}(-\sqrt{5}+\sqrt{6})$

2) $-2\sqrt{10}(\sqrt{3}+\sqrt{10})$

3) $\sqrt{15}(\sqrt{10}+\sqrt{2})$

4) $\sqrt{5}(\sqrt{3}-2\sqrt{10})$

5) $3\sqrt{2}(\sqrt{2}+2)$

6) $-\sqrt{15}(2+\sqrt{10})$

7) $(\sqrt{5}+\sqrt{2})^2$

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

9) $(4\sqrt{5}-1)(3\sqrt{5}+5)$

10) $(4\sqrt{5}-5)(-\sqrt{5}+2)$

11) $(1+5\sqrt{5})(5+\sqrt{5})$

12) $(3\sqrt{2}+\sqrt{5})(\sqrt{2}+\sqrt{2})$

13) $\sqrt{3}(2+\sqrt{3x})$

14) $-2\sqrt{6}(2-5\sqrt{2r})$

15) $\sqrt{6}(-4\sqrt{2n}+\sqrt{3n})$

16) $-3\sqrt{15}(5+\sqrt{10})$

17) $\sqrt{3p}(5p^2+\sqrt{3})$

18) $\sqrt{5x}(2x+3\sqrt{3x})$

19) $(5-4\sqrt{3a})(5+5\sqrt{3})$

20) $(-2\sqrt{2}-3)(-5\sqrt{2}+3)$

21) $(\sqrt{5}+3)(\sqrt{5v}-3)$

22) $(\sqrt{5b}+2)(5\sqrt{5b}+4)$

23) $(4\sqrt{2}+4\sqrt{5x})(-2\sqrt{2}-3\sqrt{2})$

24) $(\sqrt{5n}+\sqrt{3})(\sqrt{5n}-\sqrt{3})$