

(x-1)(x-3)

9

$$\sqrt{2x} (7 + \sqrt{40x})$$

$$\sqrt{2x} (7 + \sqrt{2 \cdot 2 \cdot 2 \cdot 5 \cdot x})$$

$$\sqrt{2x} (7 + 2\sqrt{2 \cdot 5 \cdot x})$$

$$\sqrt{2x} (7) + \sqrt{2x} (2\sqrt{2 \cdot 5 \cdot x})$$

$$7\sqrt{2x} + 2\sqrt{2 \cdot 2 \cdot 5 \cdot x \cdot x}$$

$$7\sqrt{2x} + 2 \cdot 2 \cdot x \sqrt{5}$$

$$(7\sqrt{2x} + 4x\sqrt{5})$$

10

$$(\sqrt{5} + 2\sqrt{10})(3\sqrt{6} - 5\sqrt{2})$$

$$\sqrt{5}(3\sqrt{6}) + \sqrt{5}(-5\sqrt{2}) + 2\sqrt{10}(3\sqrt{6}) + 2\sqrt{10}(-5\sqrt{2})$$

$$3\sqrt{30} - 5\sqrt{10} + 6\sqrt{10 \cdot 6} - 10\sqrt{10 \cdot 2}$$

$$3\sqrt{30} - 5\sqrt{10} + 6\sqrt{2 \cdot 5 \cdot 2 \cdot 3} - 10\sqrt{2 \cdot 5 \cdot 2}$$

$$3\sqrt{30} - 5\sqrt{10} + 6 \cdot 2\sqrt{15} - 10 \cdot 2\sqrt{5}$$

$$3\sqrt{30} - 5\sqrt{10} + 12\sqrt{15} - 20\sqrt{5}$$

11

$$(\sqrt{2x} - \sqrt{3})^2$$

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

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

$$2x - \sqrt{6x} - \sqrt{6x} + 3$$

$$2x + 3 - 2\sqrt{6x}$$

$\sqrt{3 \cdot 3}$

12

$$(\sqrt{3a} + \sqrt{11b})(\sqrt{3a} - \sqrt{11b})$$

$$\sqrt{3a}\sqrt{3a} + \sqrt{3a}(-\sqrt{11b}) + \sqrt{11b}(\sqrt{3a}) + \sqrt{11b}(-\sqrt{11b})$$

$$3a - \sqrt{33ab} + \sqrt{33ab} - 11b$$

$$3a - 11b$$

13

$$(\sqrt[4]{27p} - 2)(\sqrt[4]{27p} + 5)$$

$$\sqrt[4]{27p}\sqrt[4]{27p} + \sqrt[4]{27p}(5) - 2\sqrt[4]{27p} - 2(5)$$

$$\sqrt[4]{27 \cdot 27 \cdot p \cdot p} + 5\sqrt[4]{27p} - 2\sqrt[4]{27p} - 10$$

$$\sqrt[4]{3 \cdot 3 \cdot 3 \cdot 3 \cdot p \cdot p} + 3\sqrt[4]{27p} - 10$$

$$3\sqrt[4]{3 \cdot 3 \cdot p \cdot p} + 3\sqrt[4]{27p} - 10$$

$$3\sqrt[4]{3 \cdot p \cdot p} + 3\sqrt[4]{27p} - 10$$

$$3\sqrt[4]{3p} + 3\sqrt[4]{27p} - 10$$