

6

$$\frac{4}{\sqrt{a^2 b^4}} \cdot \frac{\sqrt{a^5 b^3}}{\sqrt{a^5 b^3}}$$

$$\frac{4 \sqrt{a^5 b^3}}{a b}$$

7

$$\frac{8}{\sqrt{5}-1} \cdot \frac{\sqrt{5}+1}{\sqrt{5}+1}$$

$$\frac{8\sqrt{5}+8}{\sqrt{5}\sqrt{5}-1(1)}$$

$$\frac{8\sqrt{5}+8}{5-1}$$

$$\frac{8\sqrt{5}+8}{4}$$

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

$$2\sqrt{5}+2$$

8

$$\frac{2\sqrt{x}}{\sqrt{x}-\sqrt{y}} \cdot \frac{\sqrt{x}+\sqrt{y}}{\sqrt{x}+\sqrt{y}}$$

$$\frac{2\sqrt{x}\sqrt{x}+2\sqrt{x}\sqrt{y}}{\sqrt{x}\sqrt{x}-\sqrt{y}\sqrt{y}}$$

$$\frac{2x+2\sqrt{xy}}{x-y}$$

9

$$\frac{\sqrt{x}+2}{\sqrt{x}-2} \cdot \frac{\sqrt{x}+2}{\sqrt{x}+2}$$

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

$$\frac{x+2\sqrt{x}+2\sqrt{x}+4}{x-4}$$

$$\frac{x+4\sqrt{x}+4}{x-4}$$