

$$\textcircled{2} \quad \sqrt{8} = \sqrt{4 \cdot 2} = 2\sqrt{2}$$

$$\textcircled{4} \quad \sqrt{45} = \sqrt{9 \cdot 5} = 3\sqrt{5}$$

$$\textcircled{6} \quad \sqrt{50} = \sqrt{25 \cdot 2} = 5\sqrt{2}$$

$$\textcircled{8} \quad \sqrt{300} = \sqrt{100 \cdot 3} = 10\sqrt{3}$$

$$\textcircled{10} \quad \sqrt{5y^2} = \sqrt{y^2 \cdot 5} = y\sqrt{5}$$

$$\textcircled{12} \quad \sqrt{49b} = \sqrt{49 \cdot b} = 7\sqrt{b}$$

$$\textcircled{14} \quad \sqrt{29t^2} = \sqrt{t^2 \cdot 29} = t\sqrt{29}$$

$$\textcircled{16} \quad \sqrt{4y} = \sqrt{4 \cdot y} = 2\sqrt{y}$$

$$\textcircled{18} \quad \sqrt{9x^2} = \sqrt{9 \cdot x^2} = 3x$$

$$\textcircled{20} \quad \sqrt{125a^2} = \sqrt{25a^2 \cdot 5} = 5a\sqrt{5}$$

$$\textcircled{28} \quad \sqrt{x^{10}} = x^5$$

$$\textcircled{30} \quad \sqrt{x^{16}} = x^8$$

$$\textcircled{32} \quad \sqrt{x^3} = \sqrt{x^2 \cdot x} = x\sqrt{x}$$

$$\textcircled{34} \quad \sqrt{p^{17}} = \sqrt{p^{16} \cdot p} = p^8\sqrt{p}$$

$$\textcircled{36} \quad \sqrt{(x+3)^6} = (x+3)^3$$

$$\textcircled{38} \quad \sqrt{16(a-7)^4} = 4(a-7)^2$$

$$\textcircled{40} \quad \sqrt{250y^3} = \sqrt{25y^2 \cdot 10y} = 5y\sqrt{10y}$$

$$\textcircled{46} \quad 2\sqrt{75} = 2\sqrt{25 \cdot 3} = 10\sqrt{3}$$

$$\textcircled{48} \quad -3\sqrt{72} = -3\sqrt{36 \cdot 2} = -18\sqrt{2}$$

$$\textcircled{50} \quad 6\sqrt{36x} = 6\sqrt{36 \cdot x} = 36\sqrt{x}$$

$$\textcircled{52} \quad 2x\sqrt{50x^4} = 2x\sqrt{25x^4 \cdot 2} \\ = 10x^3\sqrt{2}$$

$$\textcircled{54} \quad 3a^3\sqrt{28a^3b^5} \\ = 3a^3\sqrt{4 \cdot 7 \cdot a^2 \cdot a \cdot b^4 \cdot b} \\ = 6a^4b^2\sqrt{7ab}$$