2.10

1) $\sqrt{a} = \sqrt[2]{a^1} = a^{\frac{1}{2}}$

2) $\sqrt[3]{a} = \sqrt[3]{a^1} = a^{\frac{1}{3}}$

3) $\sqrt[7]{a} = \sqrt[7]{a^1} = a^{\frac{1}{7}}$

4) $\sqrt{a^3} = \sqrt[2]{a^3} = a^{\frac{3}{2}}$

5) $\sqrt{a^{11}} = \sqrt[2]{a^{11}} = a^{\frac{11}{2}}$

6) $\sqrt[8]{a} = \sqrt[8]{a^1} = a^{\frac{1}{8}}$

7) $\sqrt[19]{a} = \sqrt[19]{a^1} = a^{\frac{1}{19}}$

8) $\sqrt{a^{15}} = \sqrt[2]{a^{15}} = a^{\frac{15}{2}}$

9) $\sqrt{a^2} = \sqrt[2]{a^2} = a^{\frac{2}{2}} = a^1 = a$

10) $\sqrt[3]{a^3} = a^{\frac{3}{3}} = a^1 = a$

11) $\sqrt{a^6} = \sqrt[2]{a^6} = a^{\frac{6}{2}} = a^3$

12) $\sqrt[3]{a^9} = a^{\frac{9}{3}} = a^3$

13) $\sqrt{a^8} = \sqrt[2]{a^8} = a^{\frac{8}{2}} = a^4$

14) $\sqrt[5]{a^{10}} = a^{\frac{10}{5}} = a^2$

15) $\sqrt{a^{12}} = \sqrt[2]{a^{12}} = a^{\frac{12}{2}} = a^6$

16) $\sqrt{a^{18}} = \sqrt[2]{a^{18}} = a^{\frac{18}{2}} = a^9$

17) $\sqrt[4]{a^{12}} = a^{\frac{12}{4}} = a^3$

18) $\sqrt[7]{a^7} = a^{\frac{7}{7}} = a^1 = a$

19) $\sqrt[10]{a^2} = a^{\frac{2}{10}} = a^{\frac{1}{5}}$

20) $\sqrt[4]{a^5} = a^{\frac{5}{4}}$