

**2.11**

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

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

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

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

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

6)  $a^{\frac{4}{6}} = a^{\frac{2}{3}} = \sqrt[3]{a^2}$

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

8)  $a^{-\frac{3}{4}} = \frac{1}{a^{\frac{3}{4}}} = \frac{1}{\sqrt[4]{a^3}}$