

43 III

Consider θ^0 where θ is not equal to zero.

(a) What is its natural form?

(b) What is its factored form?

44 II Evaluate:

(a) $9^{\frac{1}{2}}$

(b) $81^{\frac{1}{2}}$

(c) $81^{\frac{1}{4}}$

(d) $64^{\frac{1}{6}}$

(e) $9^{\frac{3}{2}}$

(f) $128^{\frac{8}{7}}$

44 III

Exponential form	Radical form
$9^{1/2}$	
	$\sqrt[3]{27}$
$3^{1/5}$	
	$\sqrt[5]{72}$

44 IV

Evaluate:

(a) $\sqrt[3]{8}$

(b) $\sqrt[3]{27}$

(c) $\sqrt[4]{81}$

(d) $\sqrt[3]{-8}$

(e) $\sqrt[5]{32}$

(f) $8^{\frac{2}{3}}$

(g) $27^{\frac{2}{3}}$

(h) $243^{-\frac{1}{5}}$

(i) $\sqrt[5]{243}$

(j) $(-32)^{\frac{4}{5}}$