

HWU

p25

AAT

10. power & index

103. $2.5^{1/2}$

27. $2(-3)^3 = 2 \cdot -27 = -54$

104. $64^{1/3}$

28. $-3(-2)^4 = -3(16) = -48$

105. $\sqrt[4]{81}$

29. $-20(-1/2)^2 = -20 \cdot 1/4 = -5$

106. $-\sqrt{144}$

34. a) $(-z)^3(3z^4) = -z^3 \cdot 3z^4$
 $= -3z^7$

107. $(-216)^{1/3}$

~~40~~ b) $\frac{25y^8}{10y^4} = \frac{5y^4}{2}$

45. 1.02504×10^4

46. -7.28×10^6

47. -1.25×10^{-4}

48. 5.2×10^{-4}

49. 5.73×10^7

50. 9.46×10^{12}

53. 125,000

54. -180,000

55. -0.002718

56. 0.000314