Chapter 4 BLM Answers

BLM 4–7 Section 4.2 Extra Practice

**1. a)**  **b)**  **c)**  **d)**  **e)**  **f)** 

**2. a)** 2 **b)**  **c)** 57 **d)**  **e)** **** **f) **
**g)**  **h)**

**3. a)** 6*y*2 **b)**  **c)**  **d)** 9*x*2*y*8
**e)**  **f)** –500*x*4 **g)**  **h) **

**4.** **a)**  **b)** 1 **c)**  **d)** –9 **e)** 9 **f)** 
**g)** –20 **h)** 30 **i)** 

**5. a)** 32 000 **b)** 125 **6.** Yes. = 8

BLM 4–8 Section 4.3 Extra Practice

**1. a)** *x*4 **b) ** **c)** *x*2 **d)**  **e)** *x*2 *y*4

**2. a**)  **b) ** **c)** *x* **d)**  **e)** *x*2

**3. a) ** **b)**  **c)** 28 = 256 **d)** 35 = 243
**e)** 

**4. a)** The number of bacteria increases by 1.5 times every 40 h.

**b)** 7500. There are 7500 bacteria after 40 h.

**c)** 5154.385; 5154.385 – 5000 = 154.385. There are approximately 154 more bacteria after 3 h.

**d)** Example: The value *h* =0indicates the starting population of 5000 bacteria.