

Sean Reilly

Assignment: Section 2.4: 4, 29 (show work), 31 (show work), 32, 34, 36, 40 (7th edition)

4.

a) -8

b) 3

c) 71

d) 0

29.

a)  $1 + 2 + 3 + 4 + 5 + 5 \cdot 1 = 20$

b)  $1 + (-2) + 4 + (-8) + 16 = 11$

c)  $10 \cdot 3 = 30$

d)  $(2^9 - 2^0) / (2 - 1) = 511 / 1 = 511$

31.

a)  $3 \times (2^9 - 2^0) / (2 - 1) = 3 \times (511 / 1) = 1533$

b)  $(2^9 - 2^0) / (2 - 1) - (2^1 - 2^0) / (2 - 1) = 511 - 1 = 510$

c)  $((-3)^9 - (-3)^0) / (-3 - 1) - ((-3)^2 - (-3)^0) / (-3 - 1) = 923$

d)  $((-3)^9 - (-3)^0) / (-3 - 1) \times 2 = 4921 \times 2 = 9842$

32.

a) 10

b) 9330

c) 21215

d) 511

34.

a) 3

b) 78

c) 9

d) 180

36.  $1 - \frac{1}{n+1} = \frac{n}{n+1}$

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