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10.1=

$$n=2$$
 $p=\frac{4}{2}=2$
 $p=\frac{4}{2}=2$

$$=3.5875+\frac{3.5875-3.6275}{2^2-1}$$

3b)
$$t_6 = 2$$

$$A(2) = \frac{59.05 - 41.075 \times 2 + 26.335}{6.52}$$

$$= \frac{8.9875}{9.80875} = 12.94$$

$$n=1, \ n=\frac{1}{0.5}=2$$

$$M_{R}(2) = 12.94 + \frac{12.94 - 72.96}{2^{1} - 1} = 12.94 + \frac{12.94 - 72.96}{2^{1} - 1}$$

$$A(1) = \frac{1}{0.52} \left[11.860 - 2x26.335 + 41.075 \right]$$

$$= 1.06$$

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$$3-a+$$

$$A(1,0.5) = \frac{1}{0.62} \left[11.800 - 2x26.335 + 41.075 \right]$$

$$= 1.06$$

$$A(1,1) = \frac{1}{12} [0-2 \times 26.335 + 59.05]$$

$$n = 2, \quad p = \frac{1}{0.5} = 2005 2$$

$$A_{R}(1) = 1.06 + \frac{1.06 - 6.38}{2^{2} - 1}$$

3.57916 =

a) Trapezoidal for composite and Richardson's extrapolation:

$$I_{T}(0.2) = \frac{0.2}{2} [3.728 + 5.626 + 2(4.124 + 4.525 + 5.123)]$$

$$= 3.6898$$

$$I_{T}(0.4) = \frac{0.4}{2} [3.728 + 5.626 + 2(4.124 + 4.525 + 5.123)]$$

$$I_{T}(0.4) = \frac{0.4}{2} [3.728 + 5.626 + 2(4.525)]$$

= 3.6808

$$n=2, \quad n=\frac{h_2}{h_1}=\frac{0.4}{0.2}=2$$

$$1_7=3.6898+\frac{3.6898-3.6868}{2^2-1}=3.6928$$
b) Simpson's 1/2 for some 3/4

b) Simpson's 1/3 Son composite and Richardson's extrapolation: Is (0.2) = 0.2 [3.728+5.626+9x4.124+2x4.525+4x5.123]=3.6928

$$n = 4$$
, $n = \frac{6.9}{3} \begin{bmatrix} 3.728+5.626+9x4.525 \end{bmatrix} = 3.6605$