Practice Assignment 5

Answers

(1) $-\frac{2}{5}$; (2) $\frac{3}{5}$; (3) $\frac{1}{2}$; (4) 2 ; (5) $\frac{2}{3}$; (6) $-\frac{3}{4}$; (7) $-\frac{5}{2}$; (8) $\frac{3}{7}$; (9) $\frac{2}{3}$; (10) 3 ; (11) -5 ; (12) $\frac{7}{9}$; (13) $-\frac{27}{5}$

(14) $-\sqrt{3}-3 \approx -4.7$; (15) $-\infty$; (16) $-\infty$; (17) -1 ; (18) ∞ ; (19) $-\frac{1}{576}$; (20) 2 ; (21) $\frac{9}{2}$; (22) $\frac{1}{36}$; (23) -6 ; (24) $-\infty$

(25) ∞ ; (26) $2\,(e-1) \approx 12.78$; (27) $+\infty$; (28) ∞ ; (29) 1 ; (30) $\sqrt[3]{2} \approx 1.26$; (31) -2 ; (32) $\frac{1}{6}$; (33) 118

(34) $1-\frac{2}{e+1} \approx 0.46$; (35) $\frac{8\sqrt{2}}{3} \approx 3.77$; (36) diverges ; (37) $\frac{10}{3}$; (38) diverges ; (39) 31.25 ; (40) diverges

(41) diverges ; (42) $-\frac{12}{5}$; (43) $\frac{5}{3}$; (44) diverges ; (45) diverges ; (46) diverges ; (47) $\frac{5}{2}$; (48) $\frac{2}{15}$; (49) 9 ; (50) 16

(51) $\frac{409}{99}$; (52) $\frac{598}{99}$; (53) $\frac{34}{11}$; (54) $\frac{200}{99}$; (55) $\frac{5006}{999}$; (56) $\frac{35}{33}$; (57) $\frac{67}{33}$; (58) $\frac{793}{99}$; (59) $\frac{20}{9}$; (60) $\frac{520}{99}$; (61) \$1732.48

(62) 94.79 millions of dollars ; (63) \$920.88 ; (64) 43.195 millions of dollars ; (65) \$842.36 ; (66) \$530.89 or \$522.97

(67) \$1299.80 or \$1345.36 ; (68) \$11702.50 ; (69) 65671.32 ; (70) 6.66 and 7.7 ; (71) \$742.34

(72) 414.74 millions of dollars ; (73) \$2620.70 ; (74) 43.04 millions of dollars ; (75) \$10962.63 ; (76) \$752.24 or \$761.28

(77) \$1631.20 or \$1680.98 ; (78) \$18377.49 ; (79) \$42111.63 ; (80) 12.6 and 17.7 ; (81) $-\frac{2}{3}$; (82) $\frac{2}{3}$; (83) $+\infty$

(84) -12 ; (85) -2 ; (86) $\frac{5}{3}$; (87) $\frac{4}{3}$; (88) $\frac{1}{8}$; (89) $\frac{4}{\ln(2)} \approx 5.77$; (90) $\frac{9}{4}$; (91) $\frac{3}{2}$; (92) 0 ; (93) diverges ; (94) 0

(95) 0 ; (96) $\frac{1}{2}$; (97) $\frac{307}{30}$; (98) $\frac{661}{90}$; (99) $\frac{2768}{225}$; (100) $\frac{6607}{330}$