

Math 229 Summation Worksheet

Summation Problems - Answers

- (1) 35
- (2) 15,550
- (3) 2,567,900
- (4) 45,016
- (5) 10,669,170
- (6) 0
- (7) 0
- (8) $126/4,495$
- (9) 28,920 (summation of $(4i-1)$)
- (10) D.N.E. (+infinity)

Limit Problems A - Answers

- (1) 2
- (2) $11/4$
- (3) $108/7$ (factor)
- (4) $-1/48$ (common denominators, factor)
- (5) $-1/6$ (conjugate, factor)
- (6) 27(factor)
- (7) $4/3$ (factor, conjugate, factor)
- (8) $5/3$ (multiply by $5/5$)
- (9) 4 (substitute $2\cos 2x - 1$)
- (10) D.N.E. (-infinity)
- (11) D.N.E. (+infinity)
- (12) D.N.E. (neither +infinity nor -infinity)

Limits Problems B - Answers

- (1) 0
- (2) 0
- (3) D.N.E. (+infinity)
- (4) D.N.E. (+infinity)
- (5) D.N.E. (+infinity)
- (6) $1/3$

- (7) $7/2$
- (8) 0
- (9) (square root 4)
- (10) 0 (conjugate)
- (11) D.N.E. (-infinity)
- (12) $1/3$