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| Polynomials | Reason | expected | actual |
| a = x^7 + 3x^3 + 6 – 8x + 4x^4  b = 2x^7 + 4x^4 – 9x | Asked in the Assignment | Is Zero  0,0  Evaluate(2)  206, 302  Degree  7,7  Coeff(7)  1 , 2  Sum  3 x^7+8 x^4+3 x^3-17 x+6 | isZero =  0  isZero =  0  evaluate(2) =  206  evaluate(2) =  302  degree =  7  degree =  7  degreeCoeff(7) =  1  degreeCoeff(7) =  2  t1 + t2 =  +3x^7 +8x^4 +3x^3 -17x^1 +6 |
| a = x^5 + x^8 + x^7 + x^3 + x^4  b = 0 | Asked in the Assignment | Is Zero  0,1  Evaluate(2)  440, 0  Degree  8,0  Coeff(8)  1 , 0  Sum  x^5 + x^8 + x^7 + x^3 + x^4 | isZero =  0  isZero =  1  evaluate(2) =  440  evaluate(2) =  0  degree =  8  degree =  0  degreeCoeff(8) =  1  degreeCoeff(8) =  0  t1 + t2 =  +1x^8 +1x^7 +1x^5 +1x^4 +1x^3 |
| a = -2x^5 + 2x^7  b = 2x^9 + 2x^7 + 2x^5 + 2x^3 + 2x^4 | Asked in the Assignment | Is Zero  0,0  Evaluate(2)  192, 1392  Degree  7,9  Coeff(7)  2 , 2  Sum  2 x^9+4 x^7+2 x^4+2 x^3 | isZero =  0  isZero =  0  evaluate(2) =  192  evaluate(2) =  1392  degree =  7  degree =  9  degreeCoeff(7) =  2  degreeCoeff(7) =  2  t1 + t2 =  +2x^9 +4x^7 +2x^4 +2x^3 |
| a = 2x^9 + 2x^7 + 2x^5 + 2x^3 + 2x^4  b = -2x^5 + 2x^7 | Asked in the Assignment | Is Zero  0,0  Evaluate(2)  1392, 192  Degree  9,7  Coeff(7)  2 , 2  Sum  2 x^9+4 x^7+2 x^4+2 x^3 | isZero =  0  isZero =  0  evaluate(2) =  1392  evaluate(2) =  192  degree =  9  degree =  7  degreeCoeff(7) =  2  degreeCoeff(7) =  2  t1 + t2 =  +2x^9 +4x^7 +2x^4 +2x^3 |
| a = -2x^3 + 3x^2  b = 2x^3 – 3 x^2 | Resulting polynomial zero | Is Zero  0,0  Evaluate(2)  -4, 4  Degree  3,3  Coeff(2)  3,-3  Sum  0 | isZero =  0  isZero =  0  evaluate(2) =  -4  evaluate(2) =  4  degree =  3  degree =  3  degreeCoeff(2) =  3  degreeCoeff(2) =  -3  t1 + t2 = 0 (no output) |