Complete the review worksheet below during class and review for quiz next week

HW deltamath.com – Greatest Common Factor (find the gcf in 100seconds or less)

Find the GCF.

1. 40 and 10 2. 39v and 30uv 3. 35n2m and 21m2n 4. 30y 3  and 20y

5. 60y and 56x 2 6. 36xy 3 and 24y 2 7. 140n 2 and 80m 2  8. 105x and 75xy

Multiply the following binomials.

9. ( x – 4)(x + 7) 10. (7x + 5)(3x - 6) 11. (x-8)2 12. (x+4)(x -4)

13 Linear, Exponential or Quadratic? 14. Linear, Exponential or Quadratic?

|  |  |  |  |
| --- | --- | --- | --- |
| x | f (x) | 1st Diff. | 2nd Diff. |
| 0 | 4 |  |  |
| 1 | 20 |  |  |
| 2 | 100 |  |  |
| 3 | 500 |  |  |
| 4 | 2500 |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| x | f (x) | 1st Diff. | 2nd Diff. |
| 0 | 8 |  |  |
| 1 | 5 |  |  |
| 2 | 2 |  |  |
| 3 | -1 |  |  |
| 4 | -4 |  |  |

Type of function? Type of function?

Recursive: Recursive:

Explicit: Explicit:

|  |  |  |  |
| --- | --- | --- | --- |
| x | f (x) | 1st Diff. | 2nd Diff. |
| 0 | 18 |  |  |
| 1 | 16 |  |  |
| 2 | 14 |  |  |
| 3 | 12 |  |  |
| 4 | 10 |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| x | f (x) | 1st Diff. | 2nd Diff. |
| -1 | 6 |  |  |
| 0 | 0 |  |  |
| 1 | 4 |  |  |
| 2 | 18 |  |  |
| 3 | 42 |  |  |

15 Linear, Exponential or Quadratic? 16. Linear, Exponential or Quadratic?

Type of function? Type of function?

Recursive: Recursive:

Explicit: Explicit:

17. Linear, Exponential or Quadratic? 18. Linear, Exponential or Quadratic?

|  |  |  |  |
| --- | --- | --- | --- |
| x | f (x) | 1st Diff. | 2nd Diff. |
| 0 | -3 |  |  |
| 1 | -12 |  |  |
| 2 | -48 |  |  |
| 3 | -192 |  |  |
| 4 | -768 |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| x | f (x) | 1st Diff. | 2nd Diff. |
| 1 | 5 |  |  |
| 2 | 7 |  |  |
| 3 | 15 |  |  |
| 4 | 29 |  |  |
| 5 | 49 |  |  |

Type of function? Type of function?

Recursive: Recursive:

Explicit: Explicit:

19. Linear, Exponential or Quadratic? 20. Linear, Exponential or Quadratic?

|  |  |  |  |
| --- | --- | --- | --- |
| x | f (x) | 1st Diff. | 2nd Diff. |
| 0 | -1 |  |  |
| 1 | 1 |  |  |
| 2 | 3 |  |  |
| 3 | 5 |  |  |
| 4 | 7 |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| x | f (x) | 1st Diff. | 2nd Diff. |
| 1 | 3 |  |  |
| 2 | -3 |  |  |
| 3 | -13 |  |  |
| 4 | -27 |  |  |
| 5 | -45 |  |  |

Type of function? Type of function?

Recursive: Recursive:

Explicit: Explicit: