Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_ Table #:\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_

**3.1C HW**

**Directions:** Tell whether the following are examples of like terms. YES or NO

1. 3x and 4x \_\_\_\_\_\_\_ 2) 3x2 and 10x \_\_\_\_\_\_\_ 3) –6y and –y \_\_\_\_\_\_\_
2. 3ab and –6ab \_\_\_\_\_\_\_ 5) –16 and 9 \_\_\_\_\_\_\_ 6) 7x3 and x3 \_\_\_\_\_\_\_

**Directions:** Simplify.

|  |  |  |
| --- | --- | --- |
| **1) 3x + 2x =**  | **2) –2y – – 4y =**  | **3) x + – 4x + –3x =** |
| **4) y + y + –10x =**  | **5) 5x2 – 7x2 + 4x2 =**  | **6) –4xy + 12xy =** |
| **7) –5 + – 3x + – 10x =** | **8) 4y2 – 12y2 + 7 – 2 =** | **9) 5y + – 9y – 5x + – 3x – 2y =** |
| **10) –7 + 3x – 4 + 2x =** | **11) 14 + –6x2 – 3x2 – 8 =** | **12) 2a + 3a – 7a – 5a =** |
| **13) x + – x =** | **14) 3y – – 10y + 7y =** | **15) –7 – 4b – – 3b + – 6b + 5 =** |
| **16) x + x =**  | **17) –x2 – x2 =** | **18) xy + – xy =**  |