Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_

DISCRETE TROICI

**EXPONENT RULES AND COMBINING LIKE TERMS: PARTNER ACTIVITY**

*Directions:* Complete the following worksheet with a partner. **Show all necessary work!** Both you and your partner must hand in a copy of the worksheet. This will be collected and graded. Good luck!

For examples 1 - 8 Combine like terms

|  |  |
| --- | --- |
| 1. $15y^{3}+7y^{3}-2x+7x$
 | 1. $11abc+2y^{2}+6y^{2}-5abc$
 |
| 1. $15xy+7xy-2a+3a$
 | 1. y$ +7y^{3}-2y+7y^{2}-6y^{2}$
 |
| 1.
 | 1.
 |

For the examples 7 – 22, perform the indicated operation.

|  |  |
| --- | --- |
| 1.
 | 1.
 |
| 1.
 | 1.
 |
| 1. $(3ab)^{2}$
 | 1.
 |
| 1.
 | 1. $\frac{-24a^{3}b}{6ab}$
 |
| 1. 5$x^{2}y^{4}z^{2}(5x^{4}y^{2})$
 | 1. $\frac{10y^{3} – 22y}{2y}$
 |
| 1.
 | 1.
 |
| 1.
 | 1.
 |
|  22) $(11x^{3}y^{6})(14x^{5}y^{2})$ | 23) $\frac{216a^{6}b^{3}}{36a^{7}b^{2}}$ |
|  24) $(-5b^{4}c^{6})^{2}$ | 25)  |