Name _____   Date _____

Rewriting Expressions - Matching Worksheet

Write the letter of the answer that matches the problem.

1. Which expression is equal to $x^9 - y^{12}$?

_____   a. $y + 36$

2. Which expression is equal to $x^{21} - y^{63}$?

_____   b. $(x^3)^3 - (y^3)^4$

3. Which expression is equal to $x^{15} - y^{75}$?

_____   c. $-32d + 44$

4. Simplify the expressions:
   $(y + 18) + 18$ =   d. $(x^7)^3 - (y^7)^9$
_____

5. Simplify the expressions:
   $(y + 6) + 6$ =   e. $26,136$
_____

6. Simplify the expressions:
   $-7(5d - 9) =$ f. $(x^5)^3 - (y^5)^{15}$
_____

7. Simplify the expressions:
   $-4(8d - 11) =$ g. $-44d + 77$
_____

8. Simplify the expressions:
   $-11(4d - 7) =$ h. $y + 12$
_____

9. Evaluate each expression:
   $11^2 \times 6^3$ i. $746,496$
_____

10. Evaluate each expression:
    $4^5 \times 9^3$ j. $-35d + 63$
_____