

For Whom Was Mr. Bachelor Rabbit Searching?

Simplify each expression. Partner A should do the left side and Partner B the right side. After completing each set, find matching answers. One will have a letter and the other a number. Write the letter in the matching numbered box at the bottom of the page.

SET 1

I. $5n^3 \cdot n^2$

E. $2n^4 \cdot 9n$

T. $-3n^2(8n^{-5})$

S. $(-15n)(-n^8)$

SET 1

15. $3n^2 \cdot 6n^3$

5. $5n^8 \cdot 3n$

1. $-2n^4(12n^{-7})$

9. $(-5n)(-n^4)$

SET 2

O. $\frac{9x^7}{3x^2}$

H. $\frac{-30x^3}{5x^5}$

U. $\frac{40x^7}{8x^{-1}}$

A. $\frac{-2x^{-5}}{-6x^{-2}}$

SET 2

17. $\frac{10x^9}{2x}$

13. $\frac{-15x^8}{-5x^3}$

10. $\frac{4x^{-1}}{12x^2}$

2. $\frac{18x^{-5}}{-3x^{-3}}$

SET 3

E. $(5cd^2)(6c^2d^3)$

Y. $4cd^7(3c^4d^{-3})$

T. $(9cd^5)(2c^3d)^2$

S. $36c^5d^3(cd^2)^3$

SET 3

20. $(6cd^3)(2c^4d)$

7. $3c^2d^7(10cd^{-2})$

12. $(4c^4d^7)(3c^2d)^2$

4. $36cd^4(c^2d)^3$

SET 4

N. $\left(\frac{4at^5}{a^3t^{-1}}\right)^2$

A. $\left(\frac{3a^4t^{-2}}{a^2t}\right)^4$

L. $\left(\frac{-2t^4}{at}\right)^6$

M. $\left(\frac{4a^3t^2}{9at^6}\right)^{-3}$

SET 4

3. $\left(\frac{9a^5t^{-1}}{at^5}\right)^2$

11. $\left(\frac{4at^4}{a^3t^{-2}}\right)^3$

18. $\left(\frac{-2t^5}{at^2}\right)^4$

14. $\left(\frac{8a^4t}{27at^7}\right)^{-2}$

SET 5

P. $(5x^6y)(2y^3)(3x^{-2}y^{-9})$

N. $(4xy)^2(4xy^2)$

C. $(xy)^{-3}(-x^7y^2)(30x^2)$

B. $x^9y^4(4x^{-1}y^2)^3$

SET 5

8. $(-x^9y^2)(10y^5)(3x^{-3}y^{-8})$

16. $(2xy)^5(2xy^5)$

6. $(xy)^{-2}(30x^5)(xy^{-3})$

19. $8x^6y(2x^{-1}y)^3$

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