



Puzzle Time

What Does An Astronaut Use To Dust Those Hard-To-Reach Black Holes?

Write the letter of each answer in the box containing the exercise number.

Simplify the expression.

1. $e^{-2} \cdot e^8$

2. $e^7 \cdot e \cdot e^3$

3. $2e^4 \cdot 3e^2$

4. $\frac{12e^7}{8e^5}$

5. $\frac{5e^{11}}{10e^{14}}$

6. $\sqrt{64e^{10x}}$

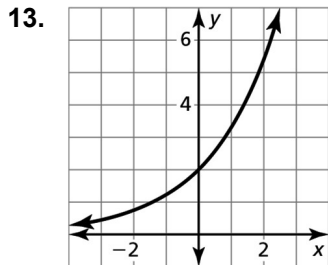
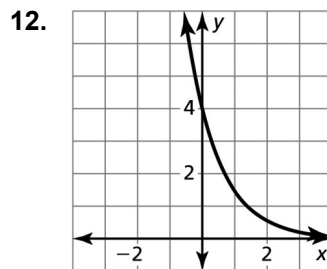
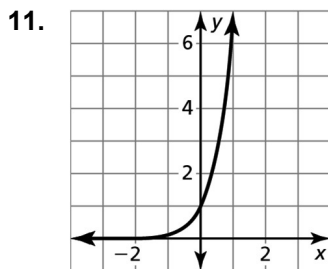
7. $\sqrt[5]{32e^{10x}}$

8. $(3e^{2x})^2$

9. $e^{-2x} \cdot e^x \cdot e^{6x+2}$

10. $(2e^{-5x})^4$

Match the graph with its function.



Answers

M. $8e^{5x}$

A. e^{11}

V. e^6

N. $y = e^{2x}$

C. $6e^6$

U. $\frac{3e^2}{2}$

C. $2e^{2x}$

L. $9e^{4x}$

R. $y = 2e^{0.5x}$

U. $\frac{1}{2e^3}$

E. e^{5x+2}

A. $\frac{16}{e^{20x}}$

E. $y = 4e^{-x}$

1	2	3	4	5	6		7	8	9	10	11	12	13
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