

Simplify the expressions below. Choose the answer inside the box.

1.  $x^2 y^{-4} \cdot x^3 y^2$

7.  $m^4 \cdot 2m^{-3}$

2.  $2m^2 \cdot 2m^3$

8.  $(3k^4)^4$

3.  $(4xy)^{-1}$

9.  $2x^3 y^{-3} \cdot 2x^{-1} y^3$

4.  $(2x^2)^{-4}$

10.  $4r^{-3} \cdot 2r^2$

5.  $2k^4 \cdot 4k$

11.  $(x^2)^0$

6.  $2y^2 \cdot 3x$

12.  $(4r^0)^4$

|                   |            |                   |                 |
|-------------------|------------|-------------------|-----------------|
| $4m^5$            | $6y^2x$    | $\frac{x^5}{y^2}$ | $\frac{1}{4xy}$ |
| 1                 |            |                   |                 |
| $4x^2$            | $81k^{16}$ | 256               |                 |
| $\frac{1}{16x^8}$ | $2m$       | $\frac{8}{r}$     |                 |
|                   | $8k^5$     |                   |                 |