WHEN IN DOUBT, EXPAND IT OUT!

Simplify.

3. $(-5x^2y)(3x^4)$

4. $(2ab^2c^2)(4a^3b^2c^2)$

5. $(3cd^4)(-2c^2)$

6. $(4g^3h)(-2g^5)$

7. $(-15xy^4)\left(-\frac{1}{3}xy^3\right)$

8. $(-xy)^3(xz)$

9. $(-18m^2n)^2\left(-\frac{1}{6}mn^2\right)$
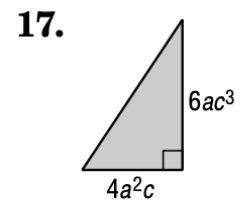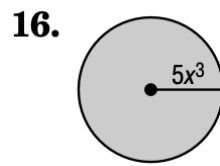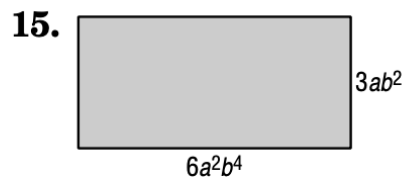
10. $(0.2a^2b^3)^2$

11. $\left(\frac{2}{3}p\right)^2$

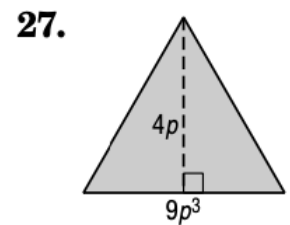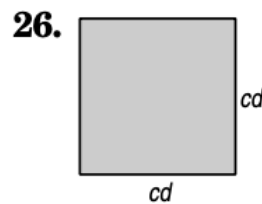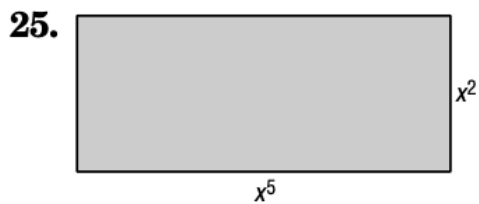**12.** $\left(\frac{1}{4}cd^3\right)^2$

13. $(0.4k^3)^3$

14. $[(4^2)^2]^2$

Using the MCAS Reference Sheet, find the areas and volumes of the following figures. **Always write the formula you will be using first before substituting in values.** Use 3.14 for the value of π.

GEOMETRY Express the area of each figure as a monomial.

15.

$3ab^2$

$6a^2b^4$

16.

$5x^3$

17.

$6ac^3$

$4a^2c$

GEOMETRY Express the area of each figure as a monomial.

25.

x^2

x^5

26.

cd

cd

27.

$4p$

$9p^3$

GEOMETRY Express the volume of each solid as a monomial.

18.

$3h^2$

$3h^2$

$3h^2$

19.

n

mn^3

m^3n

20.

$3g$

$7g^2$