How do we operate with exponents?

rules of exponents.

1)
$$X^a \cdot X^b = X^{a+b}$$

2) $X^a \cdot X^b = X^{a-b}$

3) $(X^a)^b = X^{ab}$
 $X^a \cdot X^b = X^{a-b}$

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 $X^a \cdot X^b = X^a = X^a$
 $X^a \cdot X^b = X^a = X^a$
 $X^a \cdot X^b = X$

Evaluate.

$$(x^3)(2x^5) = 0$$

3)
$$(2x^3)^{\frac{1}{2}} - 2x^3 = 8x^9$$

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20.
$$\frac{3(x^3)^4y^5}{3x^7}$$

25.
$$\frac{4(ab)^2c^5}{abc}$$