

Structures in expression

$$(n^6 k^{14})^5$$

Which of the following is equivalent to the expression above?

(A) $(n^2 k^5)^3$

(B) $(n^3)^{10} (k^2)^7$

(C) $(n^{15} k^{35})^2$

(D) $(n^5)^5 (k^{10})^7$

$$\frac{\left(\frac{a}{b}\right)}{c} + \frac{d}{\left(\frac{e}{f}\right)}$$

Which of the following is equivalent to the expression above?

(A) $\frac{a}{bc} + \frac{df}{e}$

(B) $\frac{a}{bc} + \frac{de}{f}$

(C) $\frac{bc}{a} + \frac{df}{e}$

(D) $\frac{bc}{a} + \frac{de}{f}$

Structures in expression

$$\frac{\left(\frac{a}{b}\right)}{c} \cdot \frac{a}{\left(\frac{b}{c}\right)}$$

Which of the following is equivalent to the expression above?

A $\frac{a^2}{b^2}$

B $\frac{a^2}{c^2}$

C $\frac{a^2}{b^2 c^2}$

D $\frac{a^2 c^2}{b^2}$

The expression

$$(x^2 + h^2)(x^2 - h^2)$$

can be written as

$$(1 + m - p)x^4 - mp$$

where h , m , and p are constants. What is one possible value of m ?

A 1

B h

C h^2

D h^4

Structures in expression

$$\frac{u+7}{7} + \frac{u-7}{7}$$

Which of the following is equivalent to the expression above?

A $\frac{u-u}{7}$

B $\frac{u+u}{7}$

C $\frac{7+7}{7}$

D $\frac{7-7}{7}$
