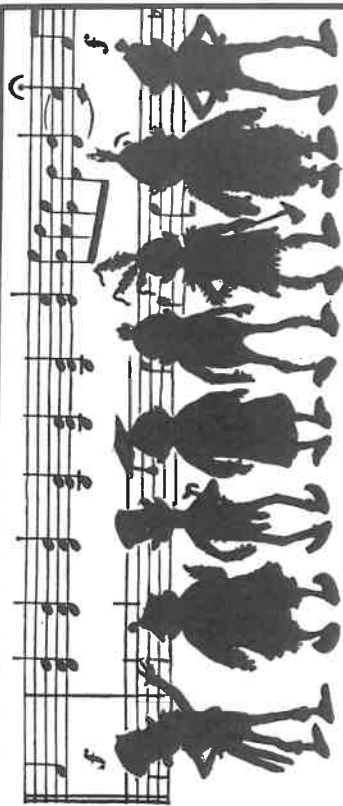


What Do You Call an Insect That Plays Drums?

Simplify each expression. Find your answer below and print the letter of that exercise above it.



(T) $\frac{6a^5b^4}{9a^3b^7}$

(C) $\frac{12a^5b^3(3-b)}{4a^4b(b^2+b-12)}$

(C) $\frac{15a^2b^6}{25a^7b}$

(I) $\frac{6a^2-30a+36}{4a-12}$

(I) $\frac{a^5b^2(a^2+7a+10)}{a^2b^4(a+5)}$

(Y) $\frac{a^3-49a}{a^3+7a^2}$

(T) $\frac{a^2b-7a^2}{a^5}$

(H) $\frac{3ab^3(a-1)}{6a^4b^4(1-a)}$

(K) $\frac{2a^2b^2+4ab^2}{a^4b+4a^3b}$

(H) $\frac{8a^2b-8b^3}{6a^2b+12ab^2+6b^3}$

(A) $\frac{ab^6(a^2-2a-15)}{a^7b^5(5-a)}$

(M) $\frac{3a^3(16-a^2)}{12a^6(a^2-9a+20)}$

(R) $\frac{(b-5)^3}{15+7b-2b^2}$

$-\frac{b(a+3)}{a^6}$

$-\frac{a-4}{4a^2(a+5)}$

$-\frac{(b-5)^2}{2b+3}$

$-\frac{1}{2a^3b}$

$-\frac{a-7}{a}$

$\frac{2a^2}{3b^3}$

$\frac{4(a-b)}{3(a+b)}$

$-\frac{a+4}{4a^3(a-5)}$

$\frac{a^3(a+2)}{b^2}$

$-\frac{3ab^2}{b+4}$

$\frac{4(a+b)}{3(2a-b)}$

$\frac{b-7}{a^3}$

$\frac{3(a-2)}{2}$

$\frac{3b^5}{5a^5}$

$\frac{2b(a+2)}{a^2(a+4)}$

◆ BOOKS NEVER WRITTEN ◆

Everybody Needs Insurance by

$\frac{\quad}{9} \frac{\quad}{3} \frac{\quad}{12} \frac{\quad}{1} \frac{\quad}{8} \frac{\quad}{11} \frac{\quad}{6} \frac{\quad}{2} \frac{\quad}{12} \frac{\quad}{10}$

Rock 'n Roll Your Baby by

$\frac{\quad}{5} \frac{\quad}{10} \frac{\quad}{12} \frac{\quad}{7} \frac{\quad}{2} \frac{\quad}{11} \frac{\quad}{6} \frac{\quad}{10}$

50 Years in the Navy by

$\frac{\quad}{8} \frac{\quad}{8} \frac{\quad}{12} \frac{\quad}{10} \frac{\quad}{4} \frac{\quad}{4}$

ABOVE ARE THE TITLES OF THREE "BOOKS NEVER WRITTEN." TO DECODE THE NAMES OF THEIR AUTHORS:

Simplify each expression below. Find your answer and notice the letter next to it. Each time the exercise number appears in the code, write this letter above it.

① $\frac{2x^2 - 18}{4x + 12}$

⑤ $\frac{-x^2 + 8x - 16}{x^3 - 4x^2}$

⑨ $\frac{4a^3b^4(a^2 + a - 42)}{28a^4b^4(6 - a)}$

② $\frac{3x^2 - 24x + 36}{2x^2 - x - 6}$

⑥ $\frac{49x - x^3}{7 - 6x - x^2}$

⑩ $\frac{a^4 - 8a^3b}{a^3 - 64ab^2}$

③ $\frac{5x^2 - 25x}{3x^3 - 75x}$

⑦ $\frac{a^2 + 11ab + 18b^2}{a^2b + 9ab^2}$

⑪ $\frac{4a^2 + 8ab - 12b^2}{6a^2 - 12ab + 6b^2}$

④ $\frac{x^2 + 5x - 24}{3 - x}$

⑧ $\frac{15a^5b(5 - a)}{6a^2b^3(a - 5)}$

⑫ $\frac{10a^3b + 10a^2b}{4a^2b^3 + 2ab^3}$

Answers for exercises 1–6:

Ⓦ $-\frac{x - 4}{x - 1}$

Ⓐ $\frac{3(x - 6)}{2x + 3}$

Ⓤ $\frac{5}{3(x + 5)}$

Ⓡ $-(x + 8)$

Ⓣ $\frac{x - 3}{2}$

Ⓜ $\frac{x(x - 7)}{x + 2}$

ⓒ $\frac{x(x - 7)}{x - 1}$

Ⓛ $-\frac{x - 4}{x^2}$

Answers for exercises 7–12:

ⓐ $-\frac{a + 7}{7a}$

Ⓝ $\frac{2(a + 3b)}{3(a - b)}$

Ⓟ $\frac{2(a - 3b)}{3(a + b)}$

ⓓ $\frac{a + 2b}{ab}$

Ⓛ $-\frac{5a^3}{2b^2}$

Ⓢ $\frac{5a(a + 1)}{b^2(2a + 1)}$

ⓔ $\frac{a^2}{a + 8b}$

Ⓑ $-\frac{a - 7}{7ab}$