

8.2 Multiplying a Polynomial and a Monomial

use distributive property

Find: $5a^2(-4a^2 + 2a - 7)$

Simplify:

$$3(5x^2 + 2x - 4) - x(7x^2 + 2x - 3)$$

The base of the triangular bandana is the length of the collar with 4 inches added to each end to tie it on. The height is half of the collar length.

a) If your dog has a collar length of 12 inches, how much fabric does she need in square inches?

b) If you make a bandana for your friend's cat with a 6 inch collar, how much fabric would you need?

Solve an equation with polynomial expressions:

$$2x(x+4) + 7 = (x + 8) + 2x(x+ 1)+ 12$$

Solve:

$$d(d + 3) - d(d - 4) = 9d - 16$$