

Q3

Expand,

[a] $5(p + 3)$

[i] $a(a + 6)$

[q] $3(x + 5y + 3)$

[b] $6(e + 1)$

[j] $r(2r + 7)$

[r] $6(3r + s + 2)$

[c] $4(2q - 3)$

[k] $s(3s - 1)$

[s] $-2(2d + 4e - 1)$

[d] $7(5r + 4)$

[l] $-h(h + 5)$

[t] $-(2 + p - 5q)$

[e] $3(4 - 3k)$

[m] $e(1 - 2e)$

[u] $j(5j - 2k + 3)$

[f] $2(7w - 5)$

[n] $2j(2j - 3)$

[v] $3s(2 - 7s - 2t)$

[g] $8(8 + 2f)$

[o] $3k(6 + k)$

[w] $-2t(3 - 4t + t^2)$

[h] $6(11 - 8d)$

[p] $4q(8 - q)$

[x] $ab(a + b - 5)$

Q4

Fill in the missing boxes to make the following true.

[a] $3(\square + 2) = 3x + 6$

[b] $k(k - \square) = k^2 - 7k$

[c] $-6(t - \square) = -6t + 24$

[d] $\square(2x + 5 - y) = 2x^2 + 5x - xy$

[e] $\square(4 - x - 4y) = -12 + 3x + 12y$

[f] $7(\square + 10 - \square) = 7m + 70 - 14n$

[g] $5(a - \square + \square) = 5a - 20b + 25$

Q5

Write an expanded expression for the area of each of the following rectangles.

