Expand Expressions Worksheets

1. Expand each expression and collect like terms.

a) $-3(2p - 3q)$

b) $-a - (a - b)$

c) $3h - 2(1 + 4h)$

d) $5 - 7(-4q + 5)$

e) $-(2h - 9) - 4h$

f) $6(-5r - 4) - 2(r - 7s - 3)$

Expand Expressions Worksheets

1. Expand each expression and collect like terms.

a) $-3(2p-3q)$

$-3(2p+(-3q))$

$-3 \cdot 2p + (-3) \cdot (-3q)$

$-6p + 9q$

b) $-a-(a-b)$

$-a + (-(a+-b))$

$-1a + (-1(a+-1b))$

$-1a + (-1a) + 1b$

$-2a + b$

c) $3h - 2(1+4h)$

$3h + (-2(1+4h))$

$3h + (-2 \cdot 1) + (-2h \cdot 4)$

$3h + (-2) + (-8h)$

$-5h - 2$

d) $5 - 7(-4q+5)$

$5 + -7(-4q+5)$

$5 + 28q + (-35)$

$28q - 35 + 5$

$28q - 30$

e) $-(2h-9) - 4h$

$-(2h+(-9)) + (-4h)$

$-2h + 9 + (-4h)$

$-6h + 9$

f) $6(-5r-4) - 2(r-7s-3)$

$6(-5r+-4) + -2(r-7s+-3)$

$-30r + -24 + -2r + 14s + 6$

$-30r + -2r + 14s + -24 + 6$

$-32r + 14s - 18$

Go to