Joel Harrison
Euclid site

Combine like terms:

$^{-}7 + {}^{-}8 =$
$3 - 8 =$
$6 - {}^{-}7 =$
$^{-}7 + 9 =$
$^{-}6 - {}^{-}5 =$
$3 + {}^{-}6 =$
$^{-}4 + {}^{-}8 =$
$8 - 9 =$
$9 + {}^{-}6 =$
$7 - {}^{-}3 =$
$^{-}9 - {}^{-}6 =$
$^{-}9 + 8 =$
$5 + {}^{-}1 =$
$^{-}5 + {}^{-}4 =$
$3 + {}^{-}9 =$
$^{-}9 - {}^{-}2 =$
$4 - {}^{-}8 =$
$5 + {}^{-}2 =$
$0 - 4 =$
$^{-}8 - {}^{-}8 =$

$^{-}7 + {}^{-}5 =$
$^{-}4 + 8 =$
$3 + {}^{-}7 =$
$1 - 4 =$
$^{-}7 - {}^{-}5 =$
$4 - {}^{-}1 =$
$4 - 8 =$
$^{-}6 + {}^{-}4 =$
$4 - 6 =$
$4 + {}^{-}2 =$
$9 - {}^{-}6 =$
$^{-}5 + 2 =$
$^{-}8 - {}^{-}2 =$
$^{-}2 + {}^{-}8 =$
$7 - 9 =$
$9 + {}^{-}2 =$
$8 - {}^{-}9 =$
$^{-}6 + 2 =$
$^{-}8 - {}^{-}7 =$
$^{-}9 + {}^{-}7 =$

$5a + 3a =$
$4b + 2a =$
$3c^2 + 6c =$
$7d - d =$
$9e - 5 =$
$6f + f =$
$3g - 8g =$
$7b + 3c =$
$5a - 5 =$
$4c - 4c =$
$6d^2 + 3d^2 =$
$8e^2 - 4e$
$9d - 9f =$

$4\sqrt{3} + 2\sqrt{3} =$
$9\sqrt{2} - 2\sqrt{2} =$
$5\sqrt{2} + 3\sqrt{5} =$
$7\sqrt{3} - \sqrt{3} =$
$6\sqrt{7} - 2\sqrt{5} =$

Simplify:

$\frac{a^5}{a^2} =$ $\frac{a^4}{a^4} =$ $\frac{a^3}{a^7} =$

$\frac{a+4}{a} =$ $\frac{5a}{a} =$ $\frac{6a}{3} =$

Multiply:

$2\,(\,4a + 3b - 2c\,) =$

$2a\,(\,3a - 2b + c\,) =$

$3b\,(\,a^2 + 6b^4 - 2c\,) =$

$^{-}5\,(\,2d + 6e^2 - f\,) =$

$-\,(\,5a - 4b + 3c\,) =$

$6ab^3\,(\,-3a^2 b + 4bc - 5\,) =$

$(\,7 - 3ab^2 + 4a^4\,)\,5c =$

Multiply:

$(x + 2)\,(x + 3) =$

$(x - 2)\,(x - 3) =$

$(x + 4)\,(x - 1) =$

$(x - 5)\,(x + 2) =$

$(x + 6)\,(x - 6) =$

$(x + 7)\,(x - 3) =$

$(x - 4)\,(x - 5) =$

$(x + 9)\,(x - 9) =$

$(x + 1)\,(x - 8) =$

$(x + 6)\,(x + 4) =$

Factor:

$4a + 6b - 8c =$

$6a - 9a^2 b + 12ab^2 =$

$12a^3 c + 16a^4 - 4a^2 =$

$x^2 + 7x + 12 =$

$x^2 + 8x + 12 =$

$x^2 - 13x + 12 =$

$x^2 - 6x - 16 =$

$x^2 + 15x - 16 =$

$x^2 - 49 =$

$36 - x^2 =$