



Mild

a. $8x - 20$

$4(2x - 5)$

b. $3x + 12$

c. $5x - 10$

d. $15x - 10$

e. $4q + 10$

Found these easy so far? Do you and your teacher think you've got it? If you want more practice continue with **mild** - if not why not move onto **medium**?

f. $4 + 6x$

g. $16p - 24$

h. $3t - 12$

i. $3x + 18$

j. $9 - 3k$



Medium

a. $x^2 + 7x$

$x(x + 7)$

b. $2y^2 - 4y$

c. $6y^2 + 12y$

d. $p^2 - 15p$

e. $8x^2 + 4xy$

Found these easy so far? Do you and your teacher think you've got it? If you want more practice continue with **medium** - if not why not move onto **hot**?

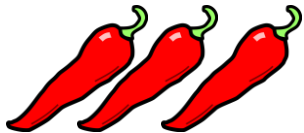
f. $x^2 - 6x$

g. $p^2 + 6p$

h. $y^2 + y$

i. $2m^2 - m$

j. $25y^2 - 5y$



Hot

a. $10x^2 - 15xy$

$5x(2x - 3y)$

b. $2x^2 - 4xy$

c. $8x^2 + 4xy$

d. $8y^2 - 24xy$

e. $6y^2 - 9xy$

f. $2p^2 - 4pw$

g. $8mp - 12mp^2$

h. $14ab^2 - 21bc$

i. $8x^2 + 10xy$

j. $12x^2y - 16x$

k. $20y - 40y^2$

l. $6m^3 - 3m^2$

m. $3p^2 + py$

n. $aq^2 - at$

o. $20w^2y + 24wy$

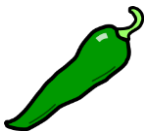
p. $20ac^2 + 30ac$

q. $wy^2 + w^2y$

r. $8ap + 12cp - 4$

s. $9a^2 - 27ab$

t. $25wy^2 + 5wy$



Mild

a. $8x - 20$

$4(2x - 5)$

b. $3x + 12$

$3(x + 4)$

c. $5x - 10$

$5(x - 2)$

d. $15x - 10$

$5(3x - 2)$

e. $4q + 10$

$2(2q + 5)$

Found these easy so far? Do you and your teacher think you've got it? If you want more practice continue with **mild** - if not why not move onto **medium**?

f. $4 + 6x$

$2(2 + 3x)$

g. $16p - 24$

$8(2p - 3)$

h. $3t - 12$

$3(t - 4)$

i. $3x + 18$

$3(x + 6)$

j. $9 - 3k$

$3(3 - k)$



Medium

a. $x^2 + 7x$

$x(x + 7)$

b. $2y^2 - 4y$

$2y(y - 2)$

c. $6y^2 + 12y$

$6y(y + 2)$

d. $p^2 - 15p$

$p(p - 3)$

e. $8x^2 + 4xy$

$4x(2x - y)$

Found these easy so far? Do you and your teacher think you've got it? If you want more practice continue with **medium** - if not why not move onto **hot**?

f. $x^2 - 6x$

$x(x - 6)$

g. $p^2 + 6p$

$p(p + 6)$

h. $y^2 + y$

$6y(y + 2)$

i. $2m^2 - m$

$m(2m - 1)$

j. $25y^2 - 5y$

$5y(5y - 1)$



Hot

a. $10x^2 - 15xy$

$5x(2x - 3y)$

k. $20y - 40y^2$

$20y(1 - 2y)$

b. $2x^2 - 4xy$

$2x(x - 2y)$

$6m^3 - 3m^2$

$3m^2(6m - 1)$

c. $8x^2 + 4xy$

$4xy(2x + y)$

$3p^2 + py$

$p(3p + y)$

d. $8y^2 - 24xy$

$8y(y - 3x)$

$aq^2 - at$

$a(q^2 - t)$

e. $6y^2 - 9xy$

$3y(2y - 3x)$

$20w^2y + 24wy^3$

$4wy(5w + 6)$

f. $2p^2 - 4pw$

$2p(p - 2w)$

$20ac^2 + 30ac$

$10ac(c + 3)$

g. $8mp - 12mp^2$

$4mp(2 - 3p)$

$wy^2 + w^2y$

$wy(y + w)$

h. $14ab^2 - 21bc$

$7b(2ab - 3c)$

$8ap + 12cp - 4p^2$

$4p(2a + 3c - p)$

i. $8x^2 + 10xy$

$2x(4x + 5y)$

$9a^2 - 27ab$

$9a(a - 3b)$

j. $12x^2y - 16x$

$4x(3xy - 4)$

$25wy^2 + 5wy$

$5wy(5y + 1)$