Factor the Quadratic Equation with Coefficient - Standard Form To Common Factor Removed

1 Remove a common factor from this quadratic to make it easier to factor $2z^2 + 20z + 42$

A $\quad 2(z^2 + 10z + 21)$

B $\quad 2(z^2 - 10z + 21)$

2 Remove a common factor from this quadratic to make it easier to factor $8r^2 + 80r + 128$

A $\quad 8(r^2 + 10r + 16)$

B $\quad 8(r^2 + 16r - 10)$

3 Remove a common factor from this quadratic to make it easier to factor $7m^2 - 63m + 98$

A $\quad 7(m^2 - 9m + 14)$

B $\quad 7(m^2 + 14m - 9)$

4 Remove a common factor from this quadratic to make it easier to factor

$9y^2 + 72y + 135$

A $\quad 9(y^2 + 8y + 15)$

B $\quad 9(y^2 + 8y - 15)$

5 Remove a common factor from this quadratic to make it easier to factor

$2q^2 + 6q - 36$

A $\quad 2(q^2 - 3q + 18)$

B $\quad 2(q^2 + 3q - 18)$

6 Remove a common factor from this quadratic to make it easier to factor $8m^2 + 32m - 96$

A $\quad 8(m^2 + 4m - 12)$

B $\quad 8(m^2 + 4m + 12)$

7 Remove a common factor from this quadratic to make it easier to factor

$6q^2 + 48q + 90$

A $\quad 6(q^2 + 8q + 15)$

B $\quad 6(q^2 + 8q - 15)$

8 Remove a common factor from this quadratic to make it easier to factor $2m^2 - 20m + 48$

A $\quad 2(m^2 - 10m + 24)$

B $\quad 2(m^2 + 10m + 24)$