



## 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

$$6z^2 - 54z + 84$$

$$^A 6(z^2 - 9z + 14)$$

$$^B 6(z^2 + 9z - 14)$$

2

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

$$8z^2 + 8z - 96$$

$$^A 8(z^2 - 1z + 12)$$

$$^B 8(z^2 + 1z - 12)$$

3

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

$$3r^2 - 36r + 105$$

$$^A 3(r^2 + 12r + 35)$$

$$^B 3(r^2 - 12r + 35)$$

4

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

$$6t^2 - 54t + 84$$

$$^A 6(t^2 - 9t + 14)$$

$$^B 6(t^2 + 9t + 14)$$

5

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

$$3r^2 - 27r + 42$$

$$^A 3(r^2 + 14r - 9)$$

$$^B 3(r^2 - 9r + 14)$$

6

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

$$3q^2 - 36q + 81$$

$$^A 3(q^2 + 27q - 12)$$

$$^B 3(q^2 - 12q + 27)$$

7

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

$$3y^2 + 15y + 18$$

$$^A 3(y^2 + 5y - 6)$$

$$^B 3(y^2 + 5y + 6)$$

8

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

$$3r^2 + 39r + 108$$

$$^A 3(r^2 + 36r - 13)$$

$$^B 3(r^2 + 13r + 36)$$