

В

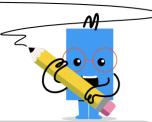
В

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## mobius

## Factor the Quadratic Equation with **Coefficient - Partial Answer to Answer**

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1	Consolidate the shared, bracketed factors to
•	simplify

$$5p(p+4) + 8(p+4)7t(2t+3) + 8(2t+3)$$

$$7t(2t+3)+8(2t+3)$$

(
$$p + 4$$
)(5 $p + 8$ )

$$(37t+3)(2t+8)$$

$$(5p+4)(52p-8)$$

$$(2t+3)(7t+8)$$

4 Consolidate the shared, bracketed factors to simplify

$$9m(4m+9)+4(4m+9)$$

$$9m(4m+9)+4(4m+9)9r(7r+6)+7(7r+6)$$

(36
$$m-9$$
)( $m+4$ )

$$(7r+6)(9r+7)$$

$$(4m+9)(9m+4)$$

$$(r-6)(103r+7)$$

6 Consolidate the shared, bracketed factors to

$$4m(m+9)+5(m+9)$$

$$4m(m+9)+5(m+9)6q(6q+7)+5(6q+7)$$

$$(m+9)(4m+5)$$

$$(6q+7)(6q+5)$$

$$(4m+9)(m+5)$$

$$(q-7)(72q+5)$$

Consolidate the shared, bracketed factors to 8 simplify

$$8m(m+4)+7(m+4)$$

$$8m(m+4)+7(m+4)5w(7w+8)+7(7w+8)$$

$$(m+4)(8m+7)$$

$$(5w-8)(56w+7)$$

(8
$$m+4$$
)( $m+7$ )

$$(7w+8)(5w+7)$$