

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Factoring / Distributive Property Worksheet

Use the distributive property to simplify the expressions.

<b>1 a.</b> $10(5 + 2y)$	<b>1 b.</b> $10(4 + 9a)$
<b>2 a.</b> $10(4 + 11u)$	<b>2 b.</b> $9(11 + 12y)$
<b>3 a.</b> $2(5 + 11a)$	<b>3 b.</b> $7(5 + 3r)$
<b>4 a.</b> $6(9p + g)$	<b>4 b.</b> $11(3 + 10w)$
<b>5 a.</b> $5(4c + 5)$	<b>5 b.</b> $8(11 + 9d)$
<b>6 a.</b> $2(2 + 3d)$	<b>6 b.</b> $12(8k + 7)$
<b>7 a.</b> $4(7 + 8m)$	<b>7 b.</b> $2(11 + 9u)$

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## Answer Key

<b>1 a.</b> $50 + 20y$	<b>1 b.</b> $40 + 90a$
<b>2 a.</b> $40 + 110u$	<b>2 b.</b> $99 + 108y$
<b>3 a.</b> $10 + 22a$	<b>3 b.</b> $35 + 21r$
<b>4 a.</b> $54p + 6g$	<b>4 b.</b> $33 + 110w$
<b>5 a.</b> $20c + 25$	<b>5 b.</b> $88 + 72d$
<b>6 a.</b> $4 + 6d$	<b>6 b.</b> $96k + 84$
<b>7 a.</b> $28 + 32m$	<b>7 b.</b> $22 + 18u$