

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

## Factoring / Distributive Property Worksheet

Use the distributive property to simplify the expressions.

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

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## Answer Key

<b>1 a.</b> $49 + 42n$	<b>1 b.</b> $24y + 30$
<b>2 a.</b> $40m + 8x$	<b>2 b.</b> $7 + 28d$
<b>3 a.</b> $48 + 28a$	<b>3 b.</b> $36r + 66$
<b>4 a.</b> $21c + 7g$	<b>4 b.</b> $9 + 6z$
<b>5 a.</b> $6 + 8m$	<b>5 b.</b> $6 + 12a$
<b>6 a.</b> $9 + 36p$	<b>6 b.</b> $99 + 81v$
<b>7 a.</b> $42 + 18k$	<b>7 b.</b> $9b + 15$