Name:

Date:

The Distributive Property

Use the distributive property to simply each expression.

1) $11\ (5\ x\ +\ 2) =$

2) $(1\ -\ 9\ x)\ (-\ 10) =$

3) $5\ (7\ +\ 9\ x) =$

4) $2\ (12\ +\ 2\ x)$

5) $-\ (-\ 2\ -\ 5\ x) =$

6) $3\ (5\ +\ 5\ x) =$

7) $(-\ 5)\ (4\ x\ -\ 1)\ +\ 4\ (x\ +\ 2)$

8) $(6\ x\ -\ 2)\ (-\ 2) =$

9) $(-\ 4\ x\ +\ 6)\ 6 =$

10) $(10\ -\ 2\ x)\ 9 =$

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1) $11\ (5\ x\ +\ 2) =$

$55\ x\ +\ 22$

2) $(1\ -\ 9\ x)\ (-\ 10) =$

$90\ x\ +\ 10$

3) $5\ (7\ +\ 9\ x) =$

$45\ x\ +\ 35$

4) $2\ (12\ +\ 2\ x)$

$4\ x\ +\ 24$

5) $-\ (-\ 2\ -\ 5\ x) =$

$5\ x\ +\ 2$

6) $3\ (5\ +\ 5\ x) =$

$15\ x\ +\ 15$

7) $(-\ 5)\ (4\ x\ -\ 1)\ +\ 4\ (x\ +\ 2)$

$-\ 16\ x\ +\ 13$

8) $(6\ x\ -\ 2)\ (-\ 2) =$

$-\ 12\ x\ +\ 4$

9) $(-\ 4\ x\ +\ 6)\ 6 =$

$-\ 24\ x\ +\ 36$

10) $(10\ -\ 2\ x)\ 9 =$

$-\ 18\ x\ +\ 90$