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

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

$55x + 22$

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

$90x + 10$

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

$45x + 35$

4) $2(12 + 2x)$

$4x + 24$

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

$5x + 2$

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

$15x + 15$

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

$-16x + 13$

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

$-12x + 4$

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

$-24x + 36$

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

$-18x + 90$