

3.4

Distributive Property (Honors)

Name _____ Date _____

Use the Distributive Property to simplify the expression.

1. $4(x + 6)$

2. $8(c - 5)$

3. $7(2y + 8)$

4. $9(e - 4)$

5. $6(4 + n)$

6. $7(3 + x + 4)$

Simplify the expression.

7. $4 + 3(x + 5)$

8. $8(t + 5) + 15$

9. $4(y + 11) - 10$

10. $2w + 3 + 5w - 1$

11. $3.2(d + 1.7)$

12. $\frac{2}{3}\left(x - \frac{5}{6}\right) + 4x$

14. The steps below show that the Distributive Property

$$a(b + c) = ab + ac$$

can be written as $(b + c)a = ba + ca$. Fill in each blank with a property you know to justify the steps.

$$(b + c)a = a(b + c)$$

$$= ab + ac$$

$$= ba + ca$$

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