

HW 3-3**Distributive Property
& Simplifying Like Terms****Int 1****Unit 3**

Simplify each expression using the Distributive Property. Show your work.

1. $5(x+6)$

7. $-8(y+2z)$

13. $-7(2x+9y)$

2. $3(4g+6h)$

8. $-6(3f+1)$

14. $-9(2+3y)$

3. $8k(3m-6)$

9. $-2y(p-6)$

15. $4.7(3m+7n)$

4. $\frac{4}{7}(21w-14r)$

10. $-(3c-d)$

16. $(-15+b)\frac{2}{5}$

5. $10.4(7a-6b)$

11. $\frac{3}{4}(8h+4)$

17. $(5+v)(-5)$

6. $-\frac{1}{3}(2y+6)$

12. $-2(3t-6)$

18. $5+2(3a+6)$

19. $2(x+y)+7y$

21. $10-3(h+5)$

23. $-2(u-w)+6$

20. $-4.8(3s+t)+3t$

22. $\frac{4}{15}(3y+5)-\frac{2}{5}y$

24. $-(4-2y)+16$

25. Which answer choice is the correctly simplified version of: $2(x+10)$

A. $20x$

B. $2x+10$

C. $2x+20$

D. $12x$

26. Which answer choice is the correctly simplified version of: $-20(z-5)$

A. $20z-5$

B. $-20z-5$

C. $20z+100$

D. $-20z+100$

Spiral Review: Choose the correct answer.27. Write -3.6 as a fraction in simplest form.

A) $-\frac{3}{6}$

B) $-\frac{1}{2}$

C) $-3\frac{3}{5}$

D) $-3\frac{1}{6}$

E) $-\frac{9}{20}$

28. Convert $.35$ to a fraction in simplest form.

A) $\frac{3}{5}$

B) $\frac{7}{20}$

C) $\frac{35}{100}$

D) $\frac{1}{35}$

E) $3\frac{1}{5}$

29. Convert $\frac{5}{8}$ to a decimal.

A) $.625$

B) 5.8

C) $.58$

D) $.8$

E) $.85$