**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Score:\_\_\_\_\_\_\_\_\_\_\_\_\_**

Final Exam Review Topic: \_\_Distributive Property\_\_

**Simplify each expression.**

**1.** 2 + 3*a* + 9*a* **2.** 7 – 5*x* + 1 **3.** 4 + 5*y* – 6*y* + *y*

2 + 12*a* 8 – 5*x* 4

**4.** *n* + 4*n* – 7*n* – 1 **5.** −3*d* + 8 – *d* – 2 **6.**  9 – *z* + 3 – 2*z*

−2*n* – 1 −4*d* + 6 12 – 3*z*

**7.** 3(*x* + 8) **8.** 7(*m* + 6) **9.** −8(*b* + 5)

3*x* + 24 7*m* + 42 −8*b* – 40

**10.** −7(*n* + 2) **11.** −4(*k* + 8) **12.** (*c* – 8)(−8)

−7*n* – 14 −4*k* – 32 −8*c* + 64

**13.** −5(*a* – 9) **14.** (*x* – 6)4 **15.** 2(*a* + *b*)

−5*a* + 45 4*x* – 24 2*a* + 2*b*

**16.** 4(*x* – *y*) **17.** 3(2*y* + 1) **18.** −4(3*x* + 5)

4*x* – 4*y* 6*y* + 3 −12*x* – 20