Practice 1-3 Exploring Real Numbers

**State whether each number is a rational or irrational number. Explain your answers.**

**1.** –0.002 **2.** 12 **3.** 8 **4.** 5

**5.**  **6.** –22 **7.** –3.4 **8.** 

Practice 1-7 The Distributive Property

**Simplify each expression.**

**1.** 2(*x* + 6) **2.** –5(8 – *b*) **3.** 4(–*x* + 7)

**4.** (5*c* – 7)(–3) **5.** –(3*k* – 12)  **6.** (6*h* – 1)

**7.** 6*h* + 5(*h* – 5) **8.** –5*d* + 3(2*d* – 7) **9.** 7 + 2(4*x* – 3)

**10.** 2(3*h* + 2) – 4*h* **11.** 2(4 + *y*) **12. **(2*n* – 4) – 2*n*