**Chapter 10 Mid-Chapter Practice Test** SCORE \_\_\_\_\_\_\_\_\_\_\_

*(Lessons 10-1 through 10-4)*

**Part I *Write the letter for the correct answer in the blank at the right of each question.***

**1.** Which expression has a range of { *y* | *y* ≥ 2}?

**A** *y* = **B** *y* = **C** *y* = – 2 **D** *y* = + 2

**2.** Which expression has a domain of {*x* | *x* ≥ 1}?

**F** *y* = **G** *y* = **H** *y* = – 1 **J** *y* = + 1

**For Questions 3–5, simplify each expression.**

**3.**

**4.**

**5.**

**6.** Solve – *n* = 2.

**7.** Solve =

**Part II**

**Simplify each expression.**

**8.**  (3 – 5 ) **9.** (4 + 5) (4 – 5)

**10.**  + 3 **11.** 7 – 4 –

**12.** 3 – 2 +

**For Questions 13 and 14, solve each equation.**

**13.** 3– 2 = 10 **14.**  = *x* – 9

**15.** A square has an area of 75 square inches. The formula for the area *A* of a square with side length *ℓ* is *A* = . Find the length of one side of the square.

**1.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**5.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**6.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**7.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**8.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**9.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**10**. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**11**. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**12**. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**13**. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**14**. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**15**. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_