

## MATH 224

*Hints and Answers for Assignment 17*

Exercises 13, 15, 16, and 17 in Chapter 5; Problem A

**13:** (a)  $\frac{1}{2}$  (c)  $\frac{3}{4}$

**15:**  $\frac{1}{12}$

**16:**  $-\frac{17}{12}$

**17:** Note that multiplying an inequality by a negative number reverses the direction of the inequality

**Problem A:**  $z = -2 + \frac{1}{4}(x - 2) + \frac{1}{6}(y - 3)$ .