1. A business in a proposed business venture, Stephanie Morrison estimates that there is a 60% chance she will make 80, 000 and a 40% chance she will lose $20,000. Determine Stephanie expected value.

2 . 30 basketballs (15 Spaulding, 10 Wilson, and 5 other name brand balls) are on the court. Barry Wood closes his eyes and picks up a ball from the court. Determine the probability that the ball selected is a Wilson or a Spaulding.

3. $y^{t}$= x

4. Express as an equivalent expression, using the individual logarithms of w, x, y, and z.

 $log\_{b}$ $\frac{w^{2}x}{y^{3}z}$