Graphing Sine Functions Practice

DIRECTIONS: Sketch a graph of one cycle of the following.

1) $y = sin\theta$	2) $y = -2sin\pi\theta$
3) $y = 5sin\theta$	4) $y = -sin2\pi\theta$
5) $y = -sin\left(\frac{1}{2}\theta\right)$	6) $y = 7sin3\theta$

DIRECTIONS: Use the two-way table to determine the following probabilities. Report your answer as both a fraction, in lowest terms, and a percent, rounded to the *tenths* place.

1) Debbie counts the videos and DVDs she has and places them into categories.

	VHS	DVDs	TOTAL
Drama	43	16	59
Comedy	12	5	17
Sport	21	3	24
TOTAL	76	24	100

a) Find the probability of randomly selecting a comedy movie.

b) Find the probability of randomly selecting a sport movie that is a DVD.

c) Find the probability of randomly selecting a VHS, given that it is a drama.

d) Find the probability of randomly selecting a sport movie, given that it is a VHS.

e) Find the probability of randomly selecting a VHS that is a comedy.

f) Find the probability of randomly selecting a drama, given that it is a VHS.