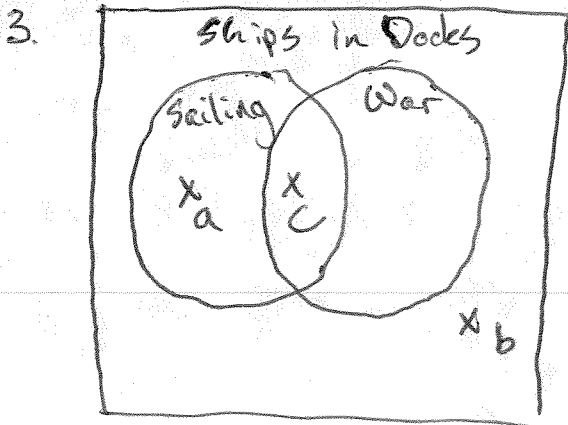
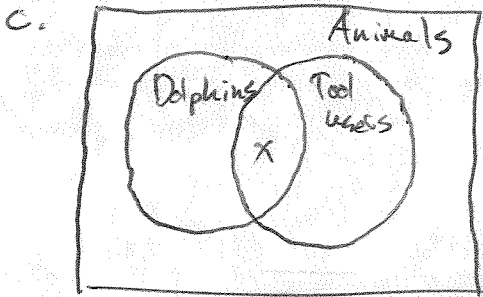
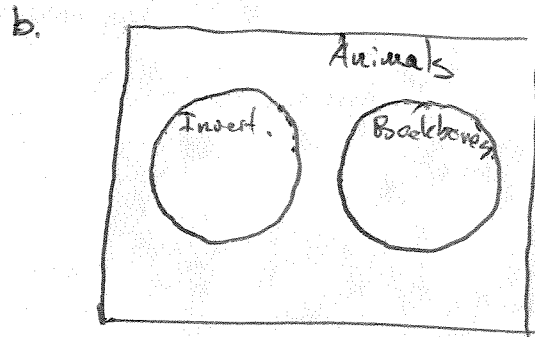
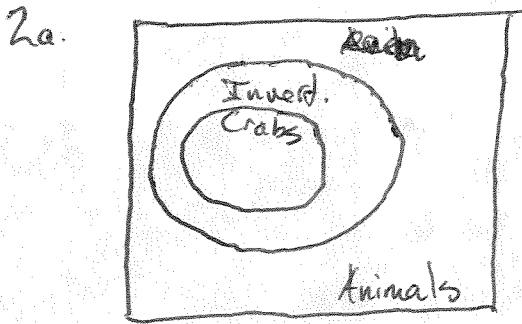
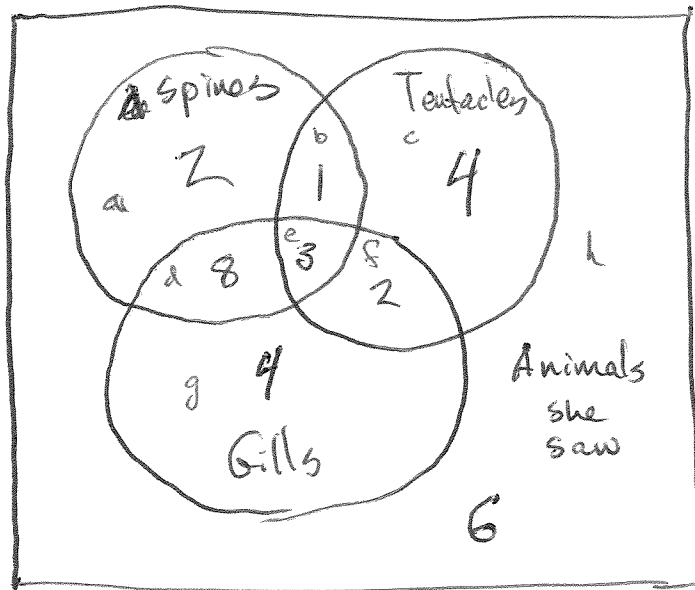


1a. $\frac{x}{4} = \frac{x}{5} + 1$
 $\times 20 \quad \times 20$
 $20 \cdot \frac{x}{4} = 20 \left(\frac{x}{5} + 1 \right)$
 $5x = 20 \cdot \frac{x}{5} + 20$
 $5x = 4x + 20$
 $-4x \quad -4x$
 $x = 20$

b. $x^2 - x - 6 = 0$ Home work 2
 $(x-3)(x+2) = 0$
 $x-3=0 \quad \text{or} \quad x+2=0$
 $x=3 \quad \text{or} \quad x=-2$



4.a.



b. That's region h, so 6.

c. This depends on how you label your universe. On my diagram, she wouldn't even show up. If the universe was "animals", she would be in region a.