

1) Viral Load Prevalence =

 + -

Hat +	160	20
Hat -	40	180

PPV =

NPV =

Sensitivity =

LR + =

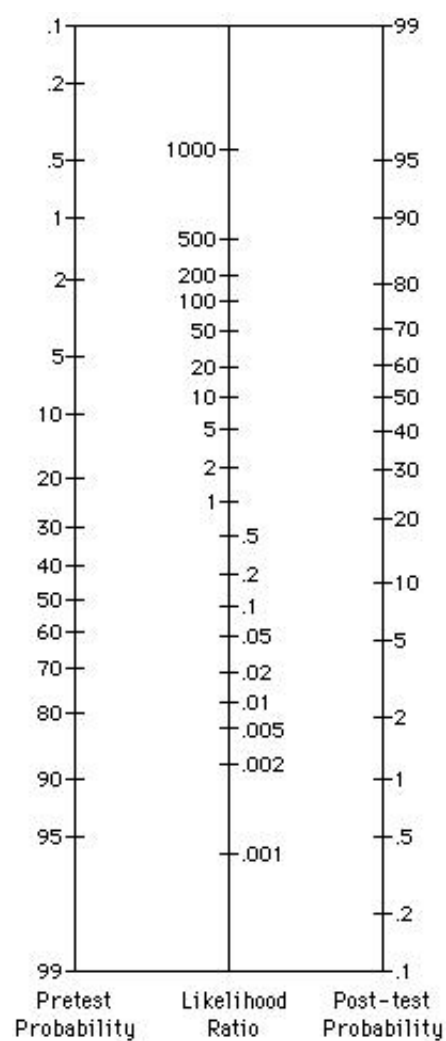
Specificity =

LR - =

- 2) You are seeing a patient in clinic. Based on your H&P, you think there is a 50% chance that he has a given disease. Your test has an LR + = 8 and an LR - = 0.22

What is the post test probability of disease if the test is positive? Use long-hand math, then confirm with nomogram.

What if test is negative?



3) Please determine sensitivity and specificity for both tests.

Gold Standard			Gold Standard		
	+	-		+	-
T E S T	10	10	T E S T	160	20
	90	90		40	80
1			2		

Sensitivity =

Sensitivity =

Specificity =

Specificity =

4) Which test is better to “rule in” a disease?

5) Please write in plain English the definition of specificity: