

Name: \_\_\_\_\_ Quiz Score: \_\_\_\_\_/20

**Quiz 5: Monday, November 17, 2014**

For each of the following:

- sketch a timeline with all (possible) payments, their discounts, and probabilities;
- give a formula (any); and
- *explain* what it represents in plain English. Your explanations should make the difference between the symbols clear.

1.  $\ddot{a}_{\overline{n}|}$

2.  $A_x$

3.  $\ddot{a}_x$

4.  $\ddot{a}_{x:\overline{n}|}$