Write each of the following biconditional statements as a conditional statement **and** it's converse.

1)   It is a bird if and only if it has a beak.

2)   It's the weekend if and only if it is Saturday.

Write a biconditional statement which would represent each statement below and it's converse.

3)   If x = 4, then 3x + 8 = 20.

4) Identify the hypothesis and conclusion of each conditional statement:

  a. If you purchase a computer and do not like it, then you can return it within 30 days.

  b. If the drama class raises $2000, then they will go on tour.

5) Write each statement in If-Then form:

  a. A quadrilateral is a polygon if the quadrilateral has four sides.

  b. An angle is acute if it has a measure less than 90 degrees.

6) Solve $6x + 2(x - 1) = 30$ and give a reason for each step.