Name _____ **Period** _____

Regents Biology **Date** _____

GENETICS PRACTICE 3: BLOOD TYPE GENETICS

1. Answer the following questions based on human blood group genetics.

   a. The father of a child has type AB blood. The mother has type A.

      Which blood types can their children NOT have? _____

   b. A woman with type A blood and a man with type B blood could potentially have offspring with what blood types? _____

c. The mother has type A blood. Her husband has type B blood. Their child has type O blood. The father claims the child can't be his. Is he right? Explain.

_____

d. The mother has type B blood. Her husband has type AB blood. Their child has type O blood. The father claims the child can't be his. Is he right? Explain.

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e. The mother has type AB blood. The father has type B blood. *His* mother has type O blood. What are all the possibilities of blood type for their children?

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