Quiz 2. Wednesday Afternoon
Name:

1) Predict the product of the following reaction (2 points).

```
\begin{align*}
\text{OH} & \quad \text{H}_2\text{SO}_4 \\
\text{O} & \quad \text{heat}
\end{align*}
```

2) Show the reagent(s) necessary to carry out the following reaction (2 points).

```
\text{H}_3\text{PO}_4 \\
\text{heat}
```

3) Show a reaction mechanism for the following reaction (6 points).

```
\begin{align*}
\text{OH} & \quad \text{H}_2\text{SO}_4 \\
\text{O} & \quad \text{heat}
\end{align*}
```