

Name: \_\_\_\_\_

**Directions:** You *must* show all your work in the provided space. Simplify your answers whenever possible. Be certain to indicate your final answer clearly.

1. Simplify (assume all variables are  $\geq 0$ ):  $\sqrt{45x^2y^3z^8}$ .

2. Simplify:  $\sqrt{\frac{28}{x}}$ .

3. Find the the missing side for each triangle:

