Homework 5.1 - Trigonometry Day 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Identify the three sides of each right triangle relative to the reference angle using the values given .**

1. **Reference angle Ө** **Reference angle α 2. Reference angle Ө** **Reference angle** α

Hypotenuse = \_\_\_\_\_\_ Hypotenuse = \_\_\_\_\_\_ Hypotenuse=\_\_\_\_\_\_\_\_ Hypotenuse=\_\_\_\_\_\_\_\_
Opposite = \_\_\_\_\_\_ Opposite = \_\_\_\_\_\_ Opposite=\_\_\_\_\_\_\_\_\_\_ Opposite=\_\_\_\_\_\_\_\_\_

Adjacent = \_\_\_\_\_\_ Adjacent = \_\_\_\_\_\_ Adjacent=\_\_\_\_\_\_\_\_\_\_ Adjacent=\_\_\_\_\_\_\_\_\_

$$θ$$





**List all six ratios consisting of the *Opposite*, *Adjacent* and *Hypotenuse* using the reference angle given.**



3. 1. $\frac{O}{H}=$ 2.$ \frac{H}{O}=$ 4.

3.$ \frac{A}{H}=$ 4.$ \frac{H}{A}=$

5. $\frac{O}{A}=$ 6.$ \frac{A}{O}=$

Homework 5.1 - Trigonometry Day 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Identify the three sides of each right triangle relative to the reference angle using the values given .**

1. **Reference angle Ө** **Reference angle α 2. Reference angle Ө** **Reference angle** α

Hypotenuse = \_\_\_\_\_\_ Hypotenuse = \_\_\_\_\_\_ Hypotenuse=\_\_\_\_\_\_\_\_ Hypotenuse=\_\_\_\_\_\_\_\_
Opposite = \_\_\_\_\_\_ Opposite = \_\_\_\_\_\_ Opposite=\_\_\_\_\_\_\_\_\_\_ Opposite=\_\_\_\_\_\_\_\_\_

Adjacent = \_\_\_\_\_\_ Adjacent = \_\_\_\_\_\_ Adjacent=\_\_\_\_\_\_\_\_\_\_ Adjacent=\_\_\_\_\_\_\_\_\_

$$θ$$





**List all six ratios consisting of the *Opposite*, *Adjacent* and *Hypotenuse* using the reference angle given.**



3. 1. $\frac{O}{H}=$ 2.$ \frac{H}{O}=$ 4.

3.$ \frac{A}{H}=$ 4.$ \frac{H}{A}=$

5. $\frac{O}{A}=$ 6.$ \frac{A}{O}=$