Geometry/Trig 2   Name: _____

8.5-8.6 SOHCAHTOA Notes   Date: _____
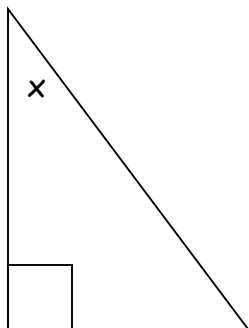
1. To set up the <u>sine</u> ratio, you compare the _____ side to the _____.

2. To set up the <u>cosine</u> ratio, you compare the _____ side to the _____.

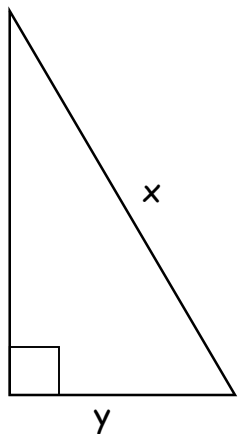3. To set up the <u>tangent</u> ratio, you compare the _____ side to the _____ side.

$$\sin(x) = \underline{\hspace{4cm}}$$

$$\cos(x) = \underline{\hspace{4cm}}$$
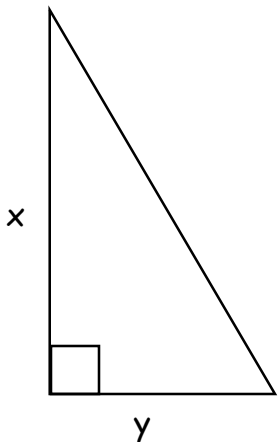
$$\tan(x) = \underline{\hspace{4cm}}$$
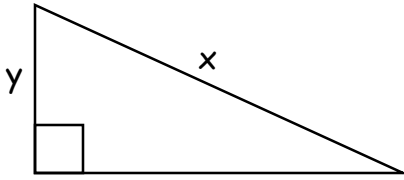
Example 1 – Find side lengths.

x = _____

y = _____
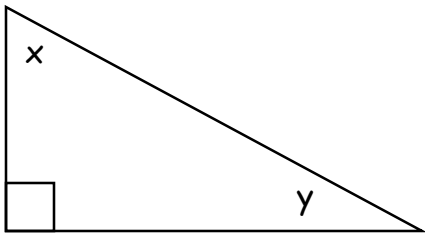
Example 2 – Find side lengths.

x = _____

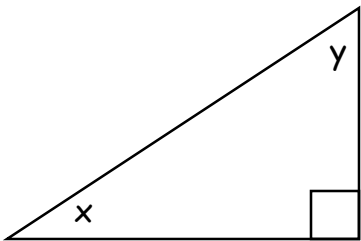y = _____

Example 3 – Find side lengths.

x = _____

y = _____
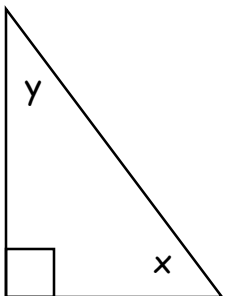
Example 4 – Find angle measures.

x = _____

y = _____

Example 5 – Find angle measures.

x = _____

y = _____

Example 6 – Find angle measures.

x = _____

y = _____