1.5 Vectors Worksheet   Name: _____

Fill in the blank:

Arrows showing both _____ and _____ are called
vectors.

Numerical directions: positive means _____ on y-axis or _____ on x-axis. Negative
is the opposite.

Compass directions: north and east are usually _____, south and west are _____

Draw a compass rose …

Examples of vector quantities include: _____

Scalar quantities have _____ but not _____.

Examples of scalar quantities include: _____

Trigonometry Practice: SOH CAH TOA

1. Draw and solve (find all missing sides and angles) the following triangle (remember that
   side "a" is across from angle "A", etc.):   <B = 90°, a = 5 in, <C = 60°

2. Solve the following triangle: <C = 90o, a = 12 cm, b = 17 cm.

3. If a bunny hopped around a triangular path, where <A = 90°, a = 15 m, <B = 20°, what would the bunny's displacement be? What would her distance travelled be?

4. An airplane had been heading due North from Pitt Meadows for 100 km, when the pilot changed destinations. He turned the plane East and travelled 80 km before landing in a lake. How much further did he travel than if he had gone directly from Pitt Meadows to the lake? What direction would he have headed to go directly to the lake?