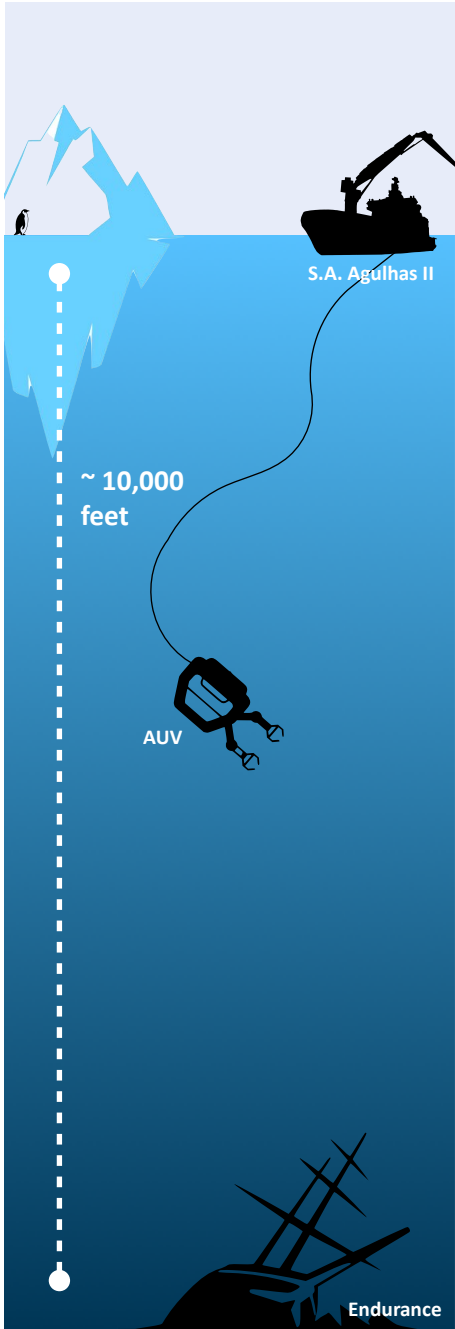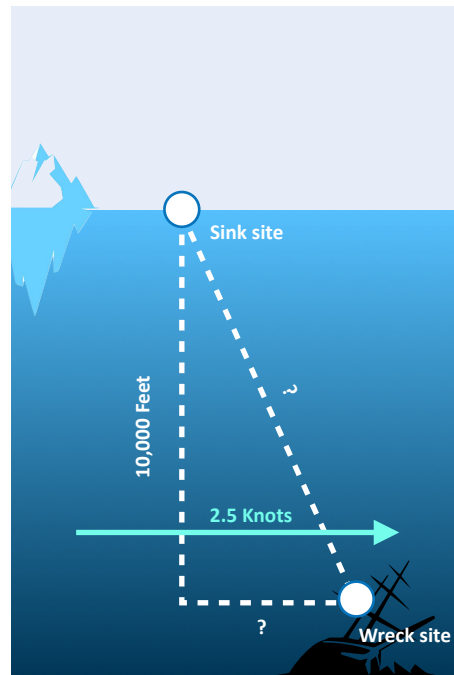# Discovering Endurance, Using Math

1. The Endurance lies on the ocean floor, about 10,000 feet below the surface, where the S.A. Agulhas II is stationed. An average school bus is 35 feet long. How many whole school buses could fit between the S. A. Agulhas II and the Endurance?

2. Let's assume that the ocean current at the sink site moved at 2.5 knots while the endurance sank.

   1 knot = 1 nautical mile per hour   *1 nautical mile = 6,076 feet*

   a) If the ship took 8 hours to sink, how far is the final Endurance wreck site from its sinking site now?

   b) How far did Endurance move while sinking? Use the Pythagorean Theorem to find your answer.

S.A. Agulhas II
~ 10,000 feet
AUV
Endurance

Sink site
10,000 Feet
2.5 Knots
?
?
Wreck site