Name   Date   Class
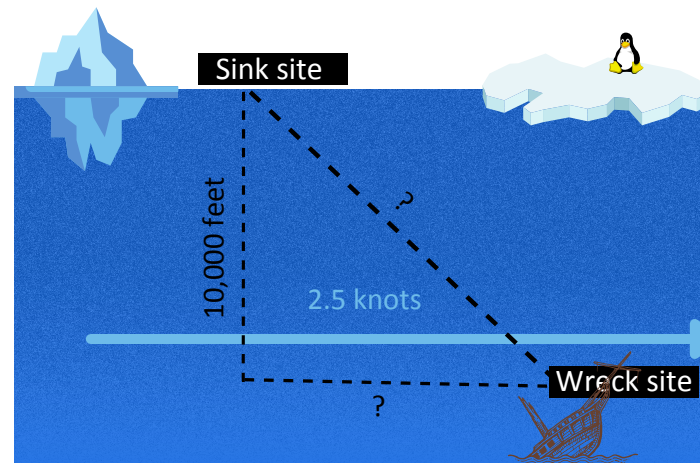
S.A. Agulhas II
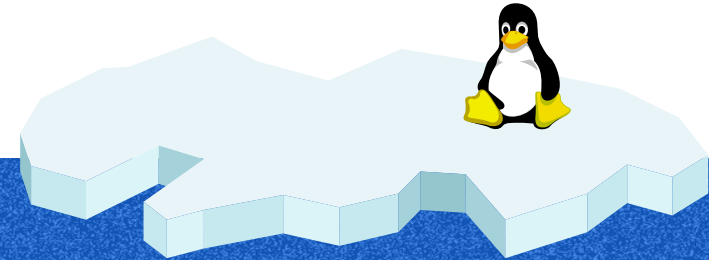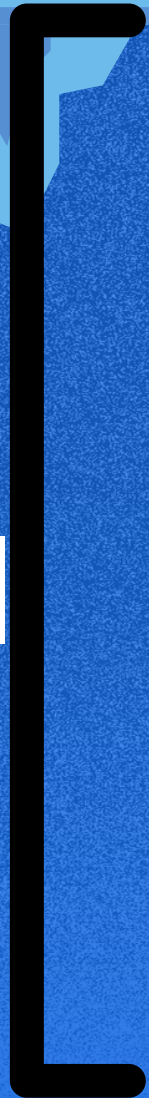
~10,000 feet

Endurance

ENDURANCE22

Name _____ Date _____ Class _____

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 (1 knot = 1 nautical mile per hour) while the endurance sank.

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. (1 nm = 6,076 feet)

ENDURANCE22

REACH THE WORLD

Name   Date   Class

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?

<p style="text-align:center; color:red;">285 school buses</p>

2. Let's assume that the ocean current at the sink site moved at 2.5 knots (1 knot = 1 nautical mile per hour) while the endurance sank.
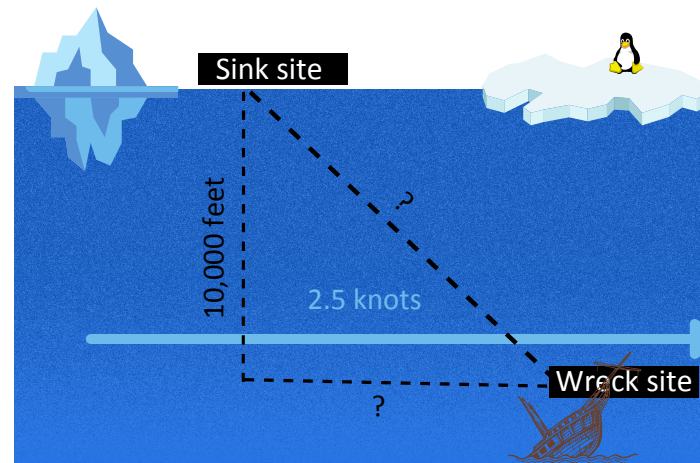
a) If the ship took 8 hours to sink, how far is the final Endurance wreck site from its sinking site now?

<p style="text-align:center; color:red;">20 nautical miles</p>

b) How far did Endurance move while sinking? Use the Pythagorean Theorem to find your answer. (1 nm = 6,076 feet)

<p style="text-align:center; color:red;">10,000 feet = 1.65 nautical miles</p>
<p style="text-align:center; color:red;">1.65sq + 20sq = 402.72 nautical miles</p>
<p style="text-align:center; color:red;">sq root of 402.72 = 20.06 nautical miles</p>

ENDURANCE22