Name: _____   Show work needed to justify your answer. Date: _____

HW # 21b: Algebra 1 - Standard 11 - Rate of Change and Slope   5 points

Find the value of r so the line that passes through each pair of points has the given slope.

38. $(12, 10), (-2, r), m = -4$

39. $(r, -5), (3, 13), m = 8$

40. $(3, 5), (-3, r), m = \frac{3}{4}$

41. $(-2, 8), (r, 4), m = -\frac{1}{2}$

49. DIVERS A boat is located at sea level. A scuba diver is 80 feet along the surface of the water from the boat and 30 feet below the water surface. A fish is 20 feet along the horizontal plane from the scuba diver and 10 feet below the scuba diver. What is the slope between the scuba diver and fish?

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