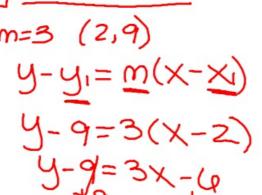
Warm Up

4/22/19

1. A line y=mx + b passes through the point (2, 9) and is parallel to y=3x+8 What is the value of b?





2. Water is being pumped into a 10-foot-tall cylindrical tank at a constant rate. linear

·The depth of the water is increasing linearly

·At 1:30p.m., the water depth was 2.4 feet. (0, 2.4)

It is now 4:00 p.m. and the depth of the water is 3.9 feet.

What will the depth (in feet) of the water be at 5.00 p.m.?
$$Y = 3.5$$

$$M = \frac{3.9 - 2.4}{2.5 - 0} = \frac{1.5}{2.5} = \frac{3}{5}$$

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