Apprenticeship Math 12
ASSIGNMENT: Measurement Review (part 1)

Name: _____

Date: _____

Imperial	Imperial and SI	SI
1 foot = 12 inches	1 inch = 2.54 cm	1 cm = 10 mm
1 yard = 3 feet	1 foot = 30.48 cm	1 m = 100 cm
1 yard = 36 inches	1 yard = 0.9144 m	1 m = 1000 mm
1 mile = 1760 yards	1 mile ≈ 1.609 km	1 km = 1000 m
1 mile = 5280 feet		

1. Identify the location of each position on the imperial ruler:

a b
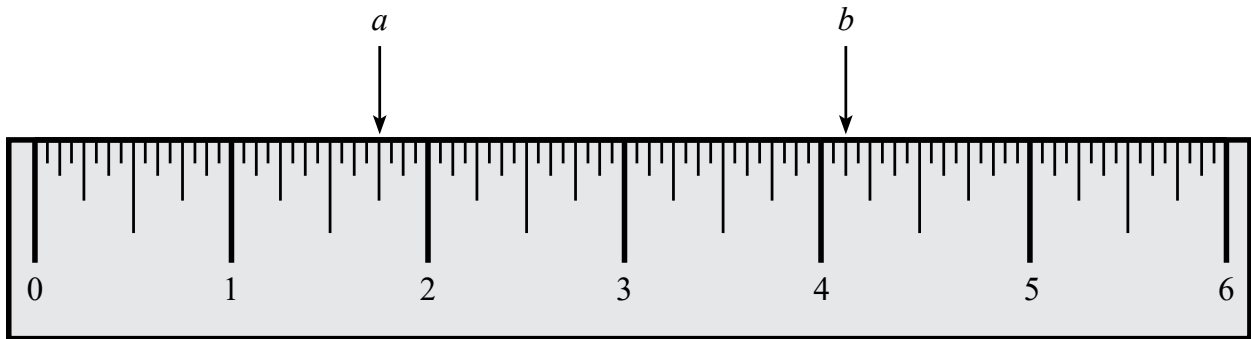
a) _____   b) _____

2. Convert the following measurements to feet and inches (e.g. 5'10"):

a) 28 inches   _____ ft _____ in

b) $77\frac{7}{16}$ inches   _____ ft _____ in

3. Convert the following. If rounding is necessary, give your answer to the nearest hundredth.

    a) 2.2 mi   _____ ft

    b) 9 ft 7 in   _____ yd

    c) 7.5 km   _____ cm

    d) $7\frac{2}{3}$ yd   _____ mm

    e) 142 cm   _____ yd

4. Steve Nash is 6′3″ tall. Shaquille O'Neal is 7′1″ tall. What is the difference between their heights in centimetres? Round your answer to the nearest tenth.

                                            _____

5. While traveling in the United States you see a sign that says the next gas station is 110 miles away. You look at your fuel gauge and know that you have enough gas left for about 150 km. Do you have to stop now for gas, or do you continue driving?

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