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| Lesson 1.7 | Unit Conversions Homework |

**Directions:** Calculators are allowed for the conversions #1-10 below. Please show all set-ups and fractions, however.

1a. 10560 ft = \_\_\_\_\_ mi

1b. 21120 ft = \_\_\_\_\_ mi

2a. 8800 yd = \_\_\_\_\_ mi

2b. 5 mi = \_\_\_\_\_\_ ft

3a. 2 mi = \_\_\_\_\_\_ yd

3b. 5280 yd = \_\_\_\_\_ mi

4a. 4 mi = \_\_\_\_\_\_ yd

4b. 1 mi = \_\_\_\_\_\_ ft

5a. 6mi/hour = \_\_\_\_\_\_\_\_\_ yd/sec

5b. 1760 ft/sec = \_\_\_\_\_\_in / min

**Directions:** Calculators are not allowed for the conversions #6-7 below. Please show all work.

6. Justin walked a half mile in 3 minutes. Marianne walked 2640 yards in 10 minutes. In miles per hour, how much faster did Justin walk than Marianne?

7. Dianne walked 1320 feet in 1 minutes. James walked 3520 yards in 10 minutes. In miles per hour, how much faster did Dianne talk than James?