

1. Bell Work
2. Check: Understanding Concepts: Page 416, #1, 4, 5, 6, 8
3. Adding Vectors - Graphically and Algebraically (3 Methods)
4. Understanding Concepts: Page 423 #3 5 and 6 HW P1
5. Activity: Adding Displacement Vectors - Page 424

→ Roller Coaster → 20 minutes. Mond.

Quiz → Tuesday Nov. 6/12

#1. → Use a map to determine d_1 , d_2 and Δd (100 acre wood)

#2. → Draw a vector diagram to scale. (p. 416 #8)

<http://www.rcdb.com/>



Bell Work - Nov. 2/12

Use the 100 Acre Wood map to complete the following:

Reference E

Initial position S $\vec{d}_1 = +5$ blocks

Final position O $\vec{d}_2 = -3$ blocks

$$\begin{aligned}\vec{\Delta d} &= d_2 - d_1 \\ &= -3 - (+5) \\ &= -8 \text{ blocks}\end{aligned}$$

Reference X

Initial position O $\vec{d}_1 = -7$ blocks

$\vec{}$

Final position Y $\vec{d}_2 = +7$ blocks

$$\begin{aligned}\Delta d &= +7 - (-7) \\ &= +14 \text{ blocks}\end{aligned}$$

Understanding Concepts: Page 423, #3

3. A soccer player leaves the bench and runs 25 m [N] and then 40 m [S]. Use a scale vector diagram to find the resultant displacement. Show the full problem-solving approach.