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| Monday | TEKS: 3A, 3B, 2C, 4A, | Objective: Resolve vectors into their components using functions (sin & cos) |
| | | Activities: Cover vector, scalar, resultant vector, adding vectors, and “tail to tip” (moving vectors) |
| | | Materials: books, calculators, and notes |
| | | Follow Up/HW: Fri HW: (Practice 3A#1-4) Tonight: 3B#3, 3C#3 |
| Tuesday | TEKS: 2C, 3B, 4A | Objective: Work and understand all applications and manipulation of vectors into their components) |
| | | Activities: Resolve vectors into their components using functions (sin & cos) Demonstrate calculator principles for resolving non perpendicular vectors Cover components of vectors with examples page 92, 93, and 94 (Do review page with sub) |
| | | Materials: books, calculators, and notes |
| | | Follow Up/HW: Practice for test |
| Wednesday/Thursday | TEKS: 2C, 4B, 4D, 4A, 3E, 1A, 2A, 2B, 2F, 2E, 2D, 3A. | Objective: to asses knowledge of previously covered topics. The student will be able to distinguish between vector and scalar operations. |
| | | Activities: QUIZ OVER PREVIOUS TOPICS Cover vector, scalar, resultant vector, adding vectors, and moving vectors Pythagorean Theorem and sine, cosine, tangent functions |
| | | Do activity using vectors. |
| | | Materials: books, calculators, and notes |
| Friday | TEKS: 1A, 2C, 4A, 4B. | Objective: To understand the 2 motions that a projectile experiences during motion. |
| | | Activities: Demonstrate 2 dimensional motion Resolve parabola into 2 component vectors. Royal gorge problem |
| | | Materials: books, calculators, and notes |
| | | Follow Up/HW: Practice 3D |