Physics Vector Components

College | Physics | Introductory

Learner: _____ Date: _____

Resolve each vector into horizontal and vertical components. Use x = magnitude cos(angle) and y = magnitude sin(angle).

10 N at 0 degrees _____

Work/check: _____

10 N at 90 degrees _____

Work/check: _____

8 N at 60 degrees _____

Work/check: _____

12 m/s at 30 degrees _____

Work/check: _____

5 N at 180 degrees _____

Work/check: _____

6 m/s at 270 degrees _____

Work/check: _____

Grown-up check: 10, 0; 0, 10; 4, 6.93; 10.39, 6; -5, 0; 0, -6. Angles are measured counterclockwise from positive x.

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