

Answer Key

Testname: 6.1WORKSHEET

1) $\langle -2, -1 \rangle, \sqrt{5}$

2) $\langle 8, -9 \rangle, \sqrt{145}$

3) $\langle -24, 8 \rangle$

4) $\langle 74, -48 \rangle$

5) $\left\langle \frac{5}{\sqrt{34}}, \frac{-3}{\sqrt{34}} \right\rangle$

6) $\left\langle \frac{4}{5}, \frac{3}{5} \right\rangle$

7) $\approx \langle -8.43, 7.07 \rangle$

8) $\approx \langle 4.70, 1.71 \rangle$

9) $\sqrt{221}, 312.3^\circ$

10) A.

11) $\langle -181.7\%, 389.71\% \rangle$

12) 11.4 ft/s

13) $|F| \approx 102.43 \text{ lb}, \theta \approx -7.2^\circ$

14) 175 lb $\underline{5^\circ}$

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