

Physics 11 Quiz

1. Explain the difference between accuracy and precision.

2. What is the precision shown by the following measurements?

a. 1.63 cm, 2.64 cm, 1.64 cm, 3.45cm, 1.60 cm +/- _____ cm

b. 2.45 cm, 3.50 cm, 3.00 cm, 1.55 cm, 1.25 cm +/- _____ cm

c. 5.40 cm, 4.46 cm, 4.28 cm, 3.22 cm, 4.54 cm +/- _____ cm

d. 60.4 km, 54.2 km, 58.0 km, 45.5 km, 34.0 km +/- _____ km

() e. 8 N, 12 N, 34 N, 10 N, 17 N +/- _____ N

f. 60 km, 55 km, 75 km, 80 km, 45 km +/- _____ km

Key

Physics 11 Quiz

1. Explain the difference between accuracy and precision.

2. What is the precision shown by the following measurements?

a. 1.63 cm, 2.64 cm, 1.64 cm, 3.45cm, 1.60 cm +/- 0.01 cm

b. 2.45 cm, 3.50 cm, 3.00 cm, 1.55 cm, 1.25 cm +/- 0.05 cm

c. 5.40 cm, 4.46 cm, 4.28 cm, 3.22 cm, 4.54 cm +/- 0.02 cm

d. 60.4 km, 54.2 km, 58.0 km, 45.5 km, 34.0 km +/- 0.1 km

e. 8 N, 12 N, 34 N, 10 N, 17 N +/- 1 N

f. 60 km, 55 km, 75 km, 80 km, 45 km +/- 5 km