

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Rafter Quiz

True/False

1. The span is the measurement from outside top plate to outside top plate. \_\_\_\_\_\_\_\_\_\_\_
2. The run is ¼ of the span. \_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. A2 + B2 = C2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. The cut out on the rafter that sits on the top plate is called a crow’s mouth. \_\_\_\_\_\_\_\_\_\_\_
5. The ridge cut is where the rafter meets the ridge board. \_\_\_\_\_\_\_\_\_\_\_\_\_

List 3 measurements a speed square can measure

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Calculate measurements

1. Span is 20’ with a pitch of 5/12

Run=\_\_\_\_\_\_\_\_\_\_\_\_\_

Rise=\_\_\_\_\_\_\_\_\_\_\_\_

Common Rafter Length=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Run is 8’ with a pitch of 5/12

Run=\_\_\_\_\_\_\_\_\_\_\_\_\_

Rise=\_\_\_\_\_\_\_\_\_\_\_\_

Common Rafter Length=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Span is 10’ with a pitch of 5/12

Run=\_\_\_\_\_\_\_\_\_\_\_\_\_

Rise=\_\_\_\_\_\_\_\_\_\_\_\_

Common Rafter Length=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Span is 30’ with a pitch 5/12

Run=\_\_\_\_\_\_\_\_\_\_\_\_\_

Rise=\_\_\_\_\_\_\_\_\_\_\_\_

Common Rafter Length=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Run is 12’ with a pitch of 5/12

Run=\_\_\_\_\_\_\_\_\_\_\_\_\_

Rise=\_\_\_\_\_\_\_\_\_\_\_\_

Common Rafter Length=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_