PitchCalc rafter math worksheet

PitchCalc | https://pitchcalc.com | US customary | planning estimates only

Common rafters. Length includes the overhang along the same pitch.
Work in feet. Geometric line length only - not lumber size or a cut list.

Problems

1. Run 8 ft, pitch 4/12, no overhang. Length: _____
2. Run 10 ft, pitch 6/12, 1 ft overhang. Length: _____
3. Run 12 ft, pitch 8/12, 0.5 ft overhang. Length: _____
4. Run 6 ft, pitch 3/12, 1 ft overhang. Length: _____
5. Run 14 ft, pitch 5/12, no overhang. Length: _____
6. Run 9 ft, pitch 7/12, 1.5 ft overhang. Length: _____
7. Run 12 ft, pitch 12/12, 1 ft overhang. Length: _____
8. Run 10 ft, pitch 2/12, no overhang. Length: _____
9. Run 16 ft, pitch 9/12, 2 ft overhang. Length: _____
10. Run 8 ft, pitch 10/12, 0.75 ft overhang. Length: _____

Answer key (nearest 1/8 in)

1. 8 ft 5 1/4 in
2. 12 ft 3 5/8 in
3. 15 ft 0 1/4 in
4. 7 ft 2 5/8 in
5. 15 ft 2 in
6. 12 ft 1 7/8 in
7. 18 ft 4 5/8 in
8. 10 ft 1 5/8 in
9. 22 ft 6 in
10. 11 ft 4 5/8 in