

Chapter 6 BLM Answers

BLM 6-3 Chapter 6 Warm-Up

Section 6.1

- 74
- 36
- 9
- 12
- 63°

Section 6.2

- 8.1 m
- 108'
- 13 m
- 71'
- 32"

Section 6.3

- 17'
- 10.3 m
- 6"
- 9.1 cm
- 9.2 feet

BLM 6-4 Section 6.1 Extra Practice

- a) 7.3 m b) 112' c) 113 cm
- a) 122' b) 63 cm c) 21'
- a) 10 m b) 7.6 m
- a) 56' b) 50'
- 12.6'
- 10.2 m
- 52"

BLM 6-5 Section 6.2 Extra Practice

- a) 20 m b) 36.1 cm c) 30" d) 13.7'
- a) 20 m b) 8 cm c) 7" d) 15'
- a) 4.7' b) 15.4 m c) 25.4 cm
- 4.2 m
- 42 km
- 31"
- 25 m

BLM 6-6 Section 6.3 Extra Practice

- a) 20 m b) 32 m c) 33.5" d) 29'
- Yes; $12^2 + 35^2 = 144 + 1225 = 1369 = 37^2$
- a) No; $12^2 + 16^2 = 144 + 256 = 400 \neq 21^2$
($21^2 = 441$)
b) Yes; $10^2 + 24^2 = 100 + 576 = 676 = 26^2$
- c) No; $8^2 + 24^2 = 64 + 576 = 640 \neq 25^2$
($25^2 = 625$)
d) Yes; $11^2 + 60^2 = 121 + 3600 = 3721 = 61^2$
- a) A and C b) 20' and 25.3 cm
- 34"
- 21.2 m

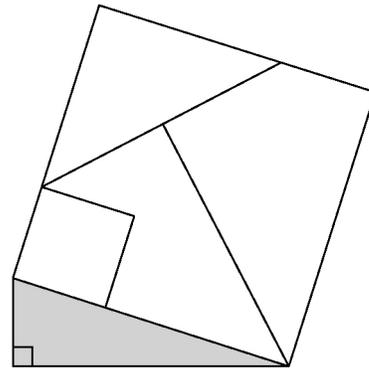
7. a) 13.9'

b) Frank should move the stakes so that the distance between them is 13.9'. To check, he could use a carpenter's square to ensure he has a right angle.

BLM 6-7 Chapter 6 Test

- A
- C
- D
- B
- B
- B
- Jesse runs a distance approximately 3.6 blocks less than the distance that Jenna runs.
- approximately 104.4 ft
- 155.885 in., or about 13 ft
- 217 ft

BLM 6-9 Chapter 6 Pythagorean Puzzle 1



BLM 6-10 Chapter 6 Pythagorean Puzzle 2

