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In the triangle below $m\angle P = 90^{\circ}$, DP = 15, and HP = 36.



Which of the following is true? a. DH = 36b. DH = 41

b.
$$DH=41$$

c.
$$DH = 38$$

d. $DH = 39$

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ExamView

In the triangle below $m\angle R = 90^{\circ}$, DR = 32, and IR = 60.



Which of the following is true? a. DI = 68 b. DI = 67

a.
$$DI = 68$$

b. $DI = 67$

c.
$$DI = 65$$

d. $DI = 66$

ExamView

In the triangle below $m\angle R = 90^{\circ}$, BR = 28, and IR = 96.



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Which of the following is true? a. BI = 97 b. BI = 100

c.
$$BI = 102$$

d. $BI = 101$

ExamView

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In the triangle below $m\angle S = 90^{\circ}$, BL = 75, and BS = 21.



Which of the following is true? a. LS = 75b. LS = 73

b.
$$LS = 73$$

c.
$$LS = 72$$

d. $LS = 74$

1



In the triangle below $m \angle T = 90^{\circ}$, CH = 68, and CT = 32.



Which of the following is true? a. HT = 62b. HT = 60

a.
$$HI = 62$$

b. $HT = 60$

ъ c HT = 59HT = 63

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ExamView

For safety reasons, the base of a 31-foot ladder should be at least 11 feet from the number of feet to the nearest tenth. the wall. How high can the 31-foot ladder safely reach? Express your answer as



In the triangle below $m \angle T = 90^{\circ}$, AM = 34, and AT = 16.

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Which of the following is true? a. MT = 32b. MT = 27

c.
$$MT = 30$$

d. $MT = 31$

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the number of feet to the nearest tenth. the wall. How high can the 21-foot ladder safely reach? Express your answer as For safety reasons, the base of a 21-foot ladder should be at least 7 feet from



A state in the country of Hugation has a rectangular shape. If the state measures 216 miles by 328 miles, how many miles is the length of its diagonal to the nearest tenth?

ExamView

A state in the country of San Steve has a rectangular shape. If the state measures 281 miles by 200 miles, how many miles is the length of its diagonal to the nearest tenth?

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A hiker walked 6 miles north and then 12 miles west. How many miles is the hicker from their starting location to the nearest tenth?

ExamView

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A hiker walked 13 miles east and then 15 miles north. How many miles is the hicker from their starting location to the nearest tenth?

3



A hiker walked 17 miles west and then 17 miles north. How many miles is the hicker from their starting location to the nearest tenth?

ExamView

For safety reasons, the base of a 16-foot ladder should be at least 6 feet from the wall. How high can the 16-foot ladder safely reach? Express your answer as the number of feet to the nearest tenth.