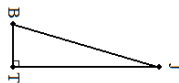


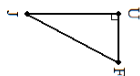
In the triangle below $m\angle T = 90^\circ$, $BT = 7$, and $JT = 24$.



Which of the following is true?

- a. $BJ = 23$
- b. $BJ = 25$
- c. $BJ = 26$
- d. $BJ = 28$

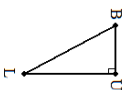
In the triangle below $m\angle U = 90^\circ$, $FU = 8$, and $JU = 15$.



Which of the following is true?

- a. $FJ = 19$
- b. $FJ = 18$
- c. $FJ = 17$
- d. $FJ = 20$

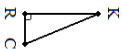
In the triangle below $m\angle U = 90^\circ$, $BL = 17$, and $BU = 8$.



Which of the following is true?

- a. $LU = 15$
- b. $LU = 13$
- c. $LU = 16$
- d. $LU = 18$

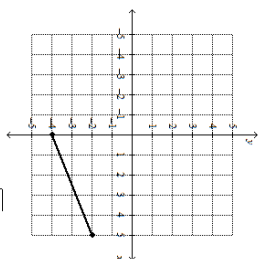
In the triangle below $m\angle R = 90^\circ$, $CK = 52$, and $CR = 20$.



Which of the following is true?

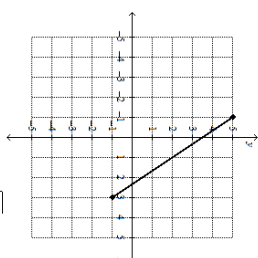
- a. $KR = 48$
- b. $KR = 47$
- c. $KR = 46$
- d. $KR = 45$

What is the length of the segment on the graph?



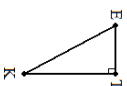
- a. $\sqrt{30}$
- b. $\sqrt{27}$
- c. $\sqrt{29}$
- d. $\sqrt{32}$

What is the length of the segment on the graph?



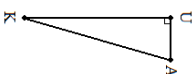
- a. $\sqrt{53}$
- b. $\sqrt{55}$
- c. $\sqrt{52}$
- d. $\sqrt{50}$

In the triangle below $m\angle T = 90^\circ$, $ET = 32$, and $KT = 60$.



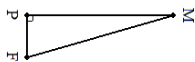
- Which of the following is true?
- a. $EK = 71$
 - b. $EK = 68$
 - c. $EK = 70$
 - d. $EK = 69$

In the triangle below $m\angle U = 90^\circ$, $AU = 28$, and $KU = 96$.



- Which of the following is true?
- a. $AK = 102$
 - b. $AK = 100$
 - c. $AK = 99$
 - d. $AK = 103$

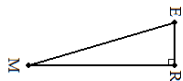
In the triangle below $m\angle P = 90^\circ$, $FP = 7$, and $MP = 24$.



Which of the following is true?

- a. $FM = 23$
- b. $FM = 25$
- c. $FM = 24$
- d. $FM = 22$

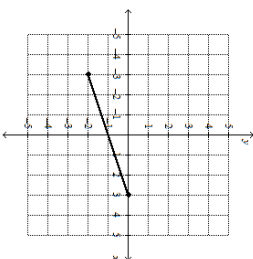
In the triangle below $m\angle R = 90^\circ$, $EM = 75$, and $ER = 21$.



Which of the following is true?

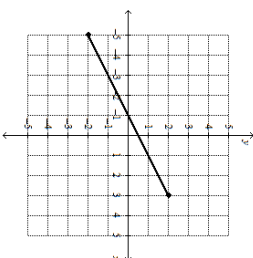
- a. $MR = 71$
- b. $MR = 69$
- c. $MR = 72$
- d. $MR = 74$

What is the length of the segment on the graph?



- a. $\sqrt{39}$
- b. $\sqrt{38}$
- c. $\sqrt{40}$
- d. $\sqrt{37}$

What is the length of the segment on the graph?



- a. $\sqrt{78}$
- b. $\sqrt{83}$
- c. $\sqrt{80}$
- d. $\sqrt{81}$