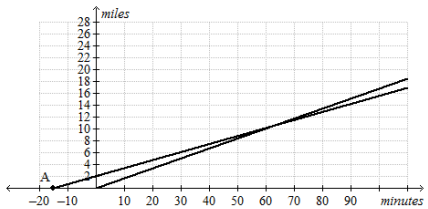
powered by ExamView

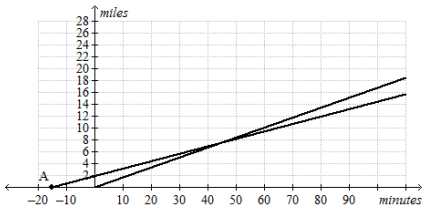
Steve and Frank ride their bikes at constant speeds. It takes Steve 37 minutes to bike 5 miles. Frank can bike 5 miles in 30 minutes. If Frank gives Steve a 15-minute head start, the graph shows their progress. Which of the following statements are true?



a. Point *A* is the start of Steve's progress.
b. Steve is faster than Frank.
c. Steve is slower than Frank.
d. Point *A* is the start of Frank's progress.

powered by ExamView

Lonie and Bill ride their bikes at constant speeds. It takes Lonie 24 minutes to bike 4 miles. Bill can bike 4 miles in 32 minutes. If Lonie gives Bill a 15-minute head start, the graph shows their progress. Which of the following statements are true?



a. Lonie is faster than Bill.
b. Point *A* is the start of Lonie's progress.
c. Lonie is slower than Bill.
d. Point *A* is the start of Bill's progress.

powered by ExamView

Lonie tells you that the number of two-point shots that he made is fiv e more than the number of three-point shots. If he scored a total of 25 points, which equations show x as his two-point shots and y as his three-point shots?

a. $y + 25 = x$
b. $y + 5 = x$
c. $2y + 3x = 25$
d. $2x + 3y = 5$
e. $2x + 3y = 25$
f. $y = 25 + x$

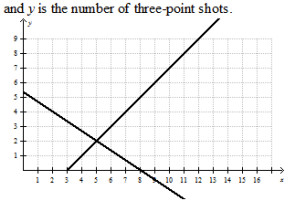
powered by ExamView

Frank tells you that the number of two-point shots that he made is six more than the number of three-point shots. If he scored a total of 37 points, which equations show x as his two-point shots and y as his three-point shots?

a. $y + 37 = x$
b. $y + 6 = x$
c. $2y + 3x = 37$
d. $2x + 3y = 6$
e. $y = 37 + x$
f. $2x + 3y = 37$

powered by ExamView

Randy tells you that the number of two-point shots that he made is three more than the number of three-point shots. He scored a total of 16 points. The graph below shows two functions with this information where x is the number of two-point shots and y is the number of three-point shots.

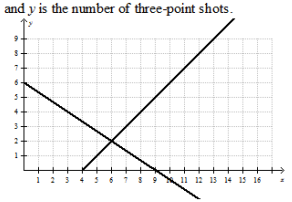


Which statements are correct?

a. Randy scored 2 two-point shots.
b. Randy scored 2 three-point shots.
c. Randy scored 3 three-point shots.
d. Randy scored 5 two-point shots.
e. Randy scored 4 two-point shots.
f. Randy scored 5 three-point shots.

powered by ExamView

Steve tells you that the number of two-point shots that he made is four more than the number of three-point shots. He scored a total of 18 points. The graph below shows two functions with this information where x is the number of two-point shots and y is the number of three-point shots.

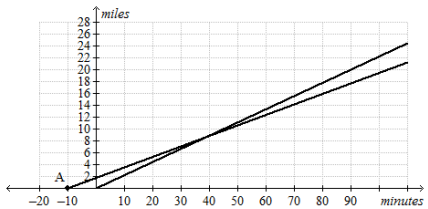


Which statements are correct?

a. Steve scored 1 three-point shots.
b. Steve scored 5 two-point shots.
c. Steve scored 6 three-point shots.
d. Steve scored 6 two-point shots.
e. Steve scored 2 three-point shots.
f. Steve scored 2 two-point shots.

powered by ExamView

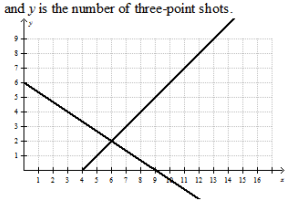
Randy and Bill ride their bikes at constant speeds. It takes Randy 27 minutes to bike 6 miles. Bill can bike 6 miles in 34 minutes. If Randy gives Bill a 10-minute head start, the graph shows their progress. Which of the following statements are true?



a. Randy is slower than Bill.
b. Point A is the start of Randy's progress.
c. Randy is faster than Bill.
d. Point A is the start of Bill's progress.

powered by ExamView

Frank tells you that the number of two-point shots that he made is four more than the number of three-point shots. He scored a total of 18 points. The graph below shows two functions with this information where x is the number of two-point shots and y is the number of three-point shots.



Which statements are correct?

a. Frank scored 6 two-point shots.
b. Frank scored 3 three-point shots.
c. Frank scored 2 two-point shots.
d. Frank scored 2 three-point shots.
e. Frank scored 7 two-point shots.
f. Frank scored 6 three-point shots.