

1. Solve for x, given:  $8x - 17 = 3 - 2x$

A. 1

B. 2

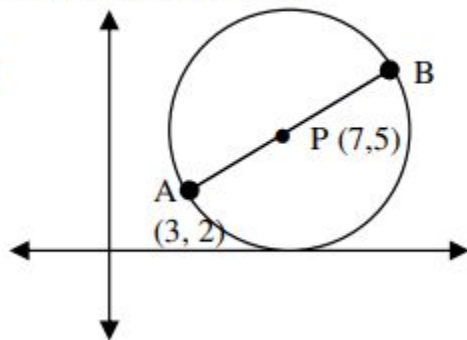
C. 3

D. -1

2.

$\overline{AB}$  is the diameter of a circle whose center is at P. What are the coordinates of B?

- a) (10, 7)    b) (5, 2.5)    c) (12, 7)    d) (11, 8)    e) (11, 7)



3.

In the figure,  $AB = ?$

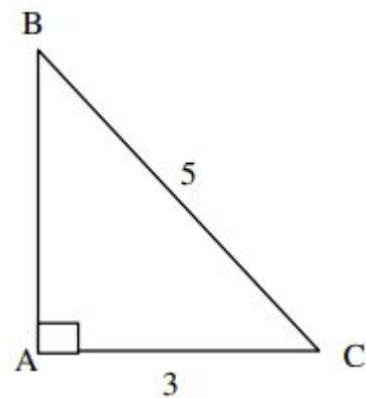
a) 2

b)  $2\sqrt{3}$

c) 4

d)  $4\sqrt{2}$

e) 8



4.  $(x + 5)(3x - 2) =$

- A.  $x^2 + 15x + 10$
- B.  $3x^2 + 13x - 10$
- C.  $3x^2 + 17x + 10$
- D.  $x^2 + 13x - 10$

5. Simplify:  $6x^2 + 15 - 2x + 3 - 2x^2 + 5x$

A.  $4x^2 + 5x - 2x + 18$

B.  $4x^2 - 3x + 12$

C.  $4x^2 + 3x + 18$

D.  $8x^2 - 7x + 12$

6.

Find the values of  $x$  and  $y$ .

a)  $x = 20, y = 34$

b)  $x = 10, y = 52$

c)  $x = 12, y = 18$

d)  $x = 11, y = 7$

