

- 1 Which of the following is closest to the value of the expression below?

$$\sqrt{5^2 - 8}$$

- A. 1.4
- B. 2.2
- C. 4.1
- D. 8.5

Mark your answer here: 1. (A)(B)(C)(D)

- 2 A square has an area of 75 square meters. Which of the following is closest to the length of a side of the square?

- A. 7.8 meters
- B. 8.2 meters
- C. 8.7 meters
- D. 9.1 meters

Mark your answer here: 2. (A)(B)(C)(D)

- 3 The solutions of a quadratic equation are shown below.

$$4 \pm \sqrt{60}$$

Which of the following pairs of numbers is closest to the solutions of the equation?

- A. 11 and -3
- B. 12 and -4
- C. 19 and -11
- D. 34 and -26

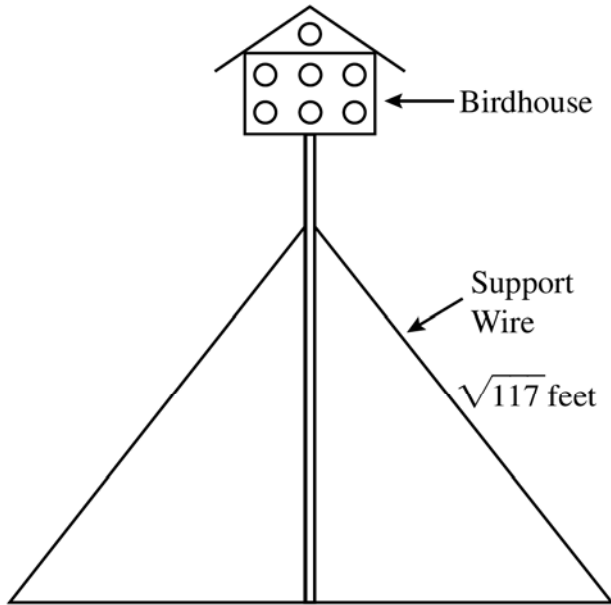
Mark your answer here: 3. (A)(B)(C)(D)



- 4 Kelly plans to build a birdhouse on top of a pole held upright with four support wires. The sketch below shows two of these support wires.

Mark your answer here: 4. (A)(B)(C)(D)

Kelly's Birdhouse



Kelly calculated that she would need $\sqrt{117}$ feet of wire for each support wire. Which of the following is closest to the value of $\sqrt{117}$?

- A. 10
- B. 11
- C. 59
- D. 60



5 Which of the following is closest to the value of $\sqrt{39}$?

- A. 5.7
- B. 6.2
- C. 6.7
- D. 7.1

Mark your answer here: 5. (A)(B)(C)(D)

6 What is the value of $\sqrt{51}$ to the nearest whole number?

Write your answer here:

