

**A.13**

1.

Which is closest to the value of  $3\sqrt{5}$ ?

- A 3.9
- B 6.7
- C 7.5
- D 8.7

2.

Which is closest to the value of  $\sqrt{12} \cdot \sqrt{15}$ ?

- F 52.0
- G 13.5
- H 13.4
- J 6.7

3.

Which is closest to the value of  $x$  if  $x = 3\sqrt{11} + 4\sqrt{11}$ ?

- A 13.6
- B 23.2
- C 77
- D 132

4.

The height of an equilateral triangle can be determined by evaluating the expression  $\frac{n\sqrt{3}}{2}$  where  $n$  is the length of a side of the triangle. To the nearest tenth of an inch, what is the height of an equilateral triangle with sides of 6.5 inches?

- F 3.5 in.
- G 4.8 in.
- H 5.6 in.
- J 10.4 in.

5.

Which is closest to the value of  $x$  if  $x = 2\sqrt{7}$ ?

- A 3.2
- B 3.7
- C 5.3
- D 9.9

6.

What is the value of  $\frac{\sqrt{3.2}}{2}$  to the nearest tenth?

- F 0.7
- G 0.9
- H 1.3
- J 1.5

7.

Which is closest to the value of

$$(2\sqrt{3})(6\sqrt{2})?$$

- A 7.7
- B 8.5
- C 18.0
- D 29.4

8.

Which measure is closest to the length of a side of a square that has an area of 221 square feet?

- F 11.0 ft
- G 14.9 ft
- H 16.4 ft
- J 55.2 ft