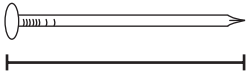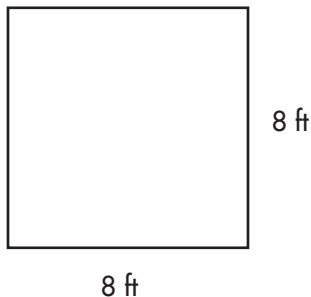Mark the best answer.

1. Use a ruler to measure. How long is the nail? (13-1)
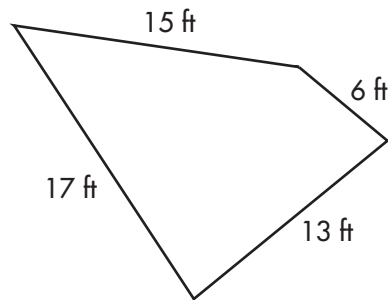

A $1\frac{1}{4}$ inches

B $1\frac{3}{4}$ inches

C $2\frac{2}{3}$ inches

D $2\frac{1}{4}$ inches

2. Below are dimensions of the Robinson's picture window at the front of their house. What is the window's area? (13-5)


8 ft

8 ft

A 16 ft

B 16 ft^2

C 64 ft

D 64 ft^2

3. Find the perimeter of the polygon. (13-3)



15 ft
6 ft
17 ft
13 ft

A 17 ft

B 34 ft^2

C 51 ft

D 51 ft^2

4. Mrs. Lawrence is making a garden using 36 feet of fencing. She wants to make sure it encloses the greatest possible area. Which dimensions should she use? (13-7)

A 10 ft by 8 ft

B 14 ft by 4 ft

C 12 ft by 6 ft

D 9 ft by 9 ft
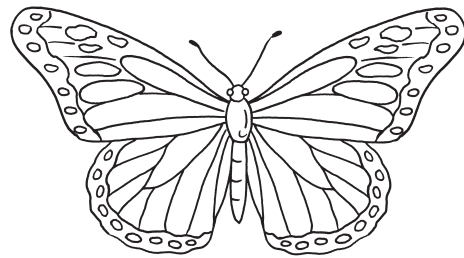
5. Find the area of the parallelogram. (13-5)

14 ft

9 ft
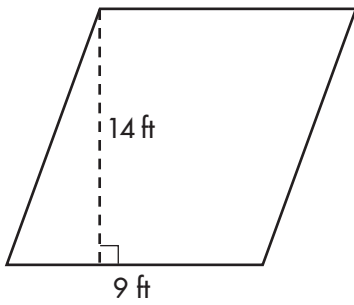
A 34 ft

B 34 ft^2

C 126 ft

D 126 ft^2

6. What is the length of this line segment in inches? (13-1)
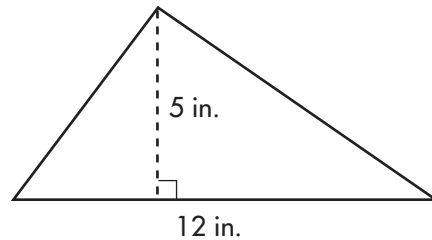
0   1   2
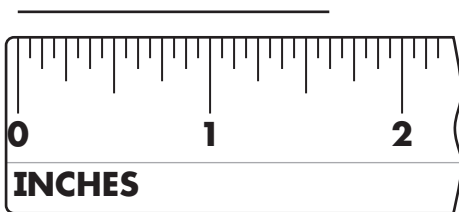
INCHES

A $1\frac{1}{4}$ inches

B $1\frac{5}{8}$ inches

C $1\frac{3}{4}$ inches

D 2 inches

7. Which is closest to the wingspan of the butterfly? (13-2)

A 3 cm

B 4 cm

C 5 cm

D 6 cm

8. Find the area of the triangle. (13-6)

5 in.

12 in.

A 16 in.

B 16 in^2

C 60 in^2

D 30 in^2

9. A rectangular wall is 10 ft long and 6 ft high. The science teacher wants to cover it with metallic paper. How many square feet of paper does he need? (13-4)

A 16 ft²

B 60 ft²

C 32 ft²

D 360 ft²

10. What is the area of a triangle with a height of 6 inches and a base of 10 inches? (13-6)
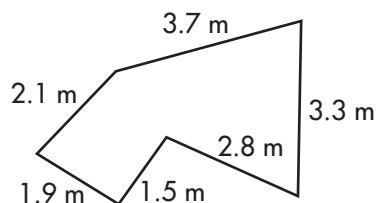
A 16 in²

B 30 in.

C 30 in²

D 60 in²

11. Figure *RSUT* is a square. Which of the following can be used to find the area of triangle *TRS*? (13-6)
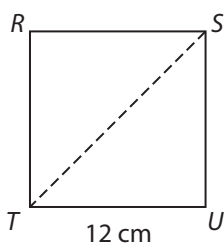
A $A = \frac{1}{2}(12 \times 2)$

B $A = \frac{1}{2}(12 \times 12)$

C $A = 12 \times 4$

D $A = 12 \times 12$

12. What is the perimeter of this figure? (13-3)

A 15.3 m²

B 15.3 m

C 13.2 m²

D 13.2 m

13. Which of the following can be used to find the area in square feet of a parallelogram whose base measures 30 feet and height measures 11 feet? (13-5)

A $A = 30 \times 11$

B $A = 30 + 11$

C $A = \frac{1}{2} \times 30 \times 11$

D $A = (2 \times 30) + (2 \times 11)$