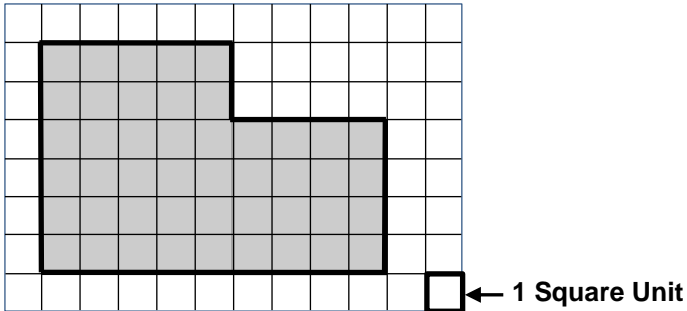# 6th Grade Geometry Readiness: Fall Screener
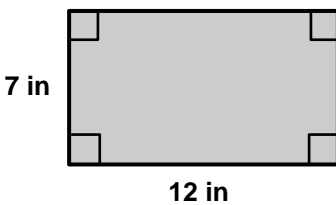
Questions 1-3: Select the correct number and label for each question.

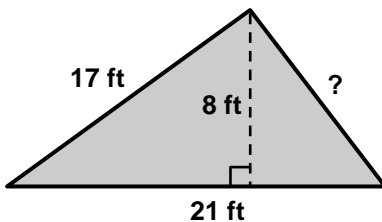**1.** Find the perimeter of the shaded polygon.

← 1 Square Unit

- ○ 44
- ○ 46
- ○ 48
- ○ 54

- ○ Units
- ○ Units Squared
- ○ Units Cubed

2. Find the perimeter of the shaded rectangle. *(Note: The figure is not drawn to scale.)*

7 in

12 in

- ○ 19
- ○ 38
- ○ 84
- ○ 42

- ○ in
- ○ in²
- ○ in³

3. The perimeter of the shaded triangle is 48 ft. Find the length of the unknown side.
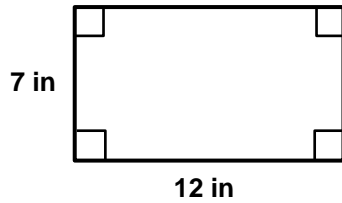*(Note: The figure is not drawn to scale.)*

17 ft

8 ft

?

21 ft

- ○ 2
- ○ 31
- ○ 27
- ○ 10

- ○ ft
- ○ ft²
- ○ ft³

STOP

Please stop, put your pencil down and wait for the next directions.
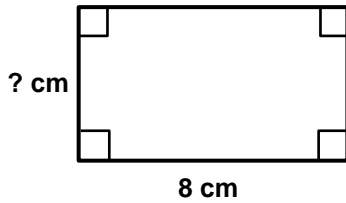
Number Correct = _____

Questions 4-6: Select the correct number and label for each question.

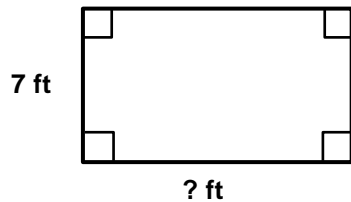**4.** Find the area of the rectangle. *(Note: The figure is not drawn to scale.)*

7 in

12 in

○ 19   ○ 38   ○ 42   ○ 84

○ in   ○ in²   ○ in³

5. The perimeter of the rectangle is 24 cm. What is the missing width?
(Note: The figure is not drawn to scale.)

? cm

8 cm

○ 4   ○ 8   ○ 16   ○ 3

○ cm   ○ cm²   ○ cm³

6. The area of the rectangle is 70 ft². What is the missing length?
(Note: The figure is not drawn to scale.)

7 ft

? ft

○ 28   ○ 63   ○ 10   ○ 56

○ ft   ○ ft²   ○ ft³

STOP

Please stop, put your pencil down and wait for the next directions.

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Questions 7-9: Select the correct answer for each question.

7. Which figure represents a line segment?

Figure A   **Figure B**   **Figure C**   **Figure D**   **Figure E**
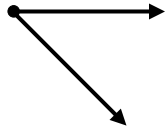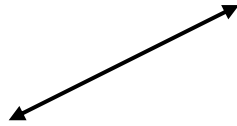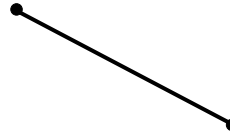
○ Figure A   ○ Figure B   ○ Figure C   ○ Figure D   ○ Figure E
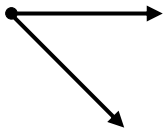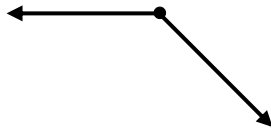
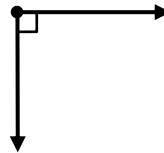**8.** Which figure represents an acute angle?

Figure A   **Figure B**   **Figure C**   **Figure D**

○ Figure A   ○ Figure B   ○ Figure C   ○ Figure D
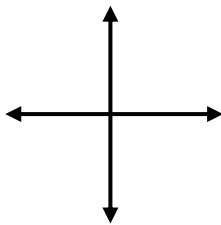
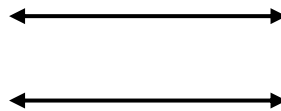**9.** Which figure appears to represent parallel lines?
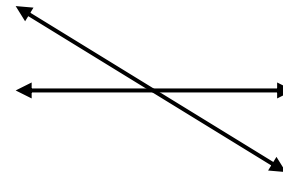
Figure A   **Figure B**   **Figure C**

○ Figure A   ○ Figure B   ○ Figure C

STOP

Please stop, put your pencil down and wait for the next directions.

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(continued)

Questions 10-12: Select the correct answer for each question.
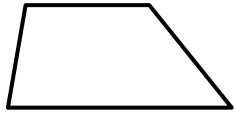
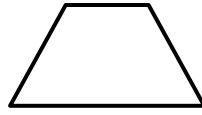**10.** Which figure appears to have sides that are perpendicular?
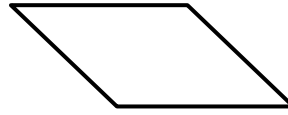
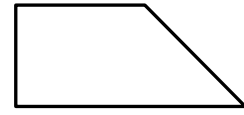Figure A   Figure B   Figure C   Figure D

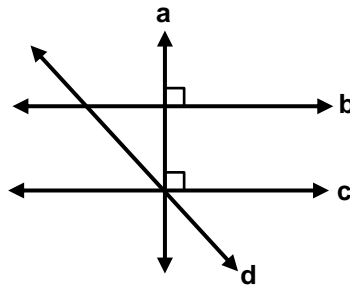○ Figure A   ○ Figure B   ○ Figure C   ○ Figure D

11. Which pair of lines are parallel to each other?

○ a and c   ○ b and d   ○ b and c   ○ a and d

12. Which figure appears to contain no acute angles?
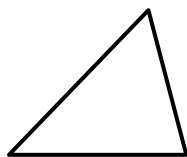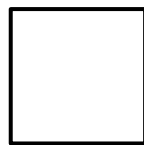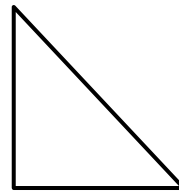
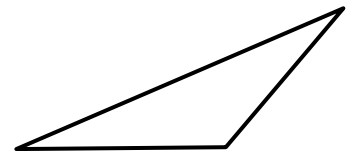Figure A   Figure B   Figure C   Figure D

○ Figure A   ○ Figure B   ○ Figure C   ○ Figure D

STOP

Please stop, put your pencil down and wait for the next directions.

Number Correct = _____

Questions 13-15: Select the correct answers for each question.

13. Identify all of the shapes that can be drawn with at least 1 acute angle?

   ○ Rectangles   ○ Parallelograms   ○ Squares

   ○ Acute Triangles   ○ Obtuse Triangles   ○ Right Triangles

14. Identify all of the shapes that can be drawn with at least two pair of parallel sides?

   ○ Rectangles   ○ Parallelograms   ○ Squares

   ○ Acute Triangles   ○ Obtuse Triangles   ○ Right Triangles

15. Identify all of the shapes that can be drawn with at least one pair of perpendicular sides?

   ○ Rectangles   ○ Parallelograms   ○ Squares

   ○ Acute Triangles   ○ Obtuse Triangles   ○ Right Triangles

STOP

Please stop, put your pencil down and wait for the next directions.

     Number Correct = _____