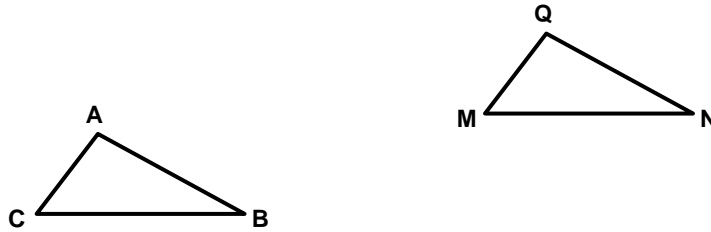


High School Geometry Readiness: Fall Screener

Questions 1-3: Select the correct answer for each question.

1. $\triangle QNM$ is a translation of $\triangle ABC$. Which segment in $\triangle ABC$ is congruent to \overline{MN} ?



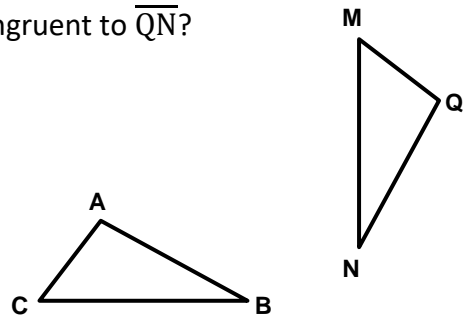
- \overline{BA}
 \overline{AB}
 \overline{CA}
 \overline{CB}

2. $\triangle QNM$ is a reflection of $\triangle ABC$. Which segment in $\triangle ABC$ is congruent to \overline{MQ} ?



- \overline{AB}
 \overline{BC}
 \overline{CA}
 \overline{NQ}

3. $\triangle QNM$ is a rotation of $\triangle ABC$. Which segment in $\triangle ABC$ is congruent to \overline{QN} ?



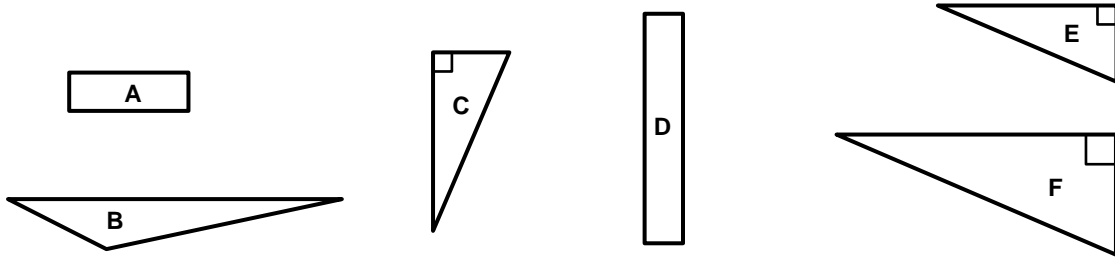
- \overline{AB}
 \overline{AC}
 \overline{CA}
 \overline{CB}



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

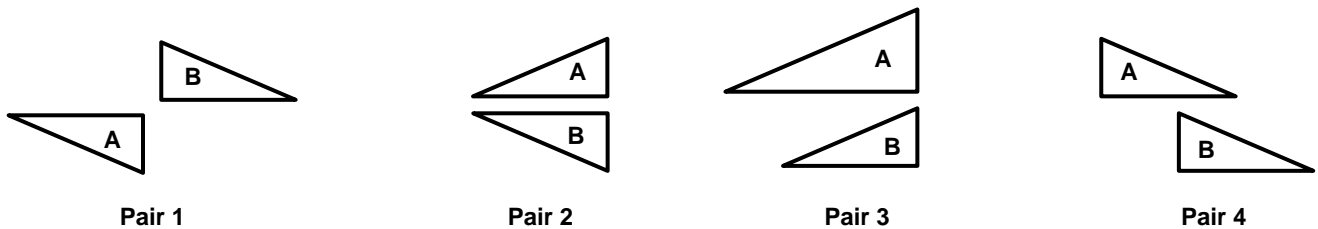
Questions 4-6: Select the correct answer for each question.

4. Which figures appear to be congruent?



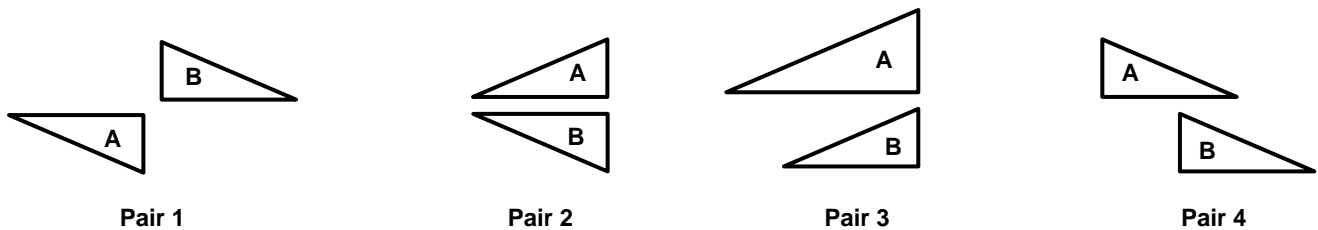
- A and B
 B and C
 C and E
 E and F

5. Which pair of figures can Figure A be taken to Figure B by a rotation?



- Pair 1
 Pair 2
 Pair 3
 Pair 4

6. Which pair of figures can Figure A be taken to Figure B by a translation?



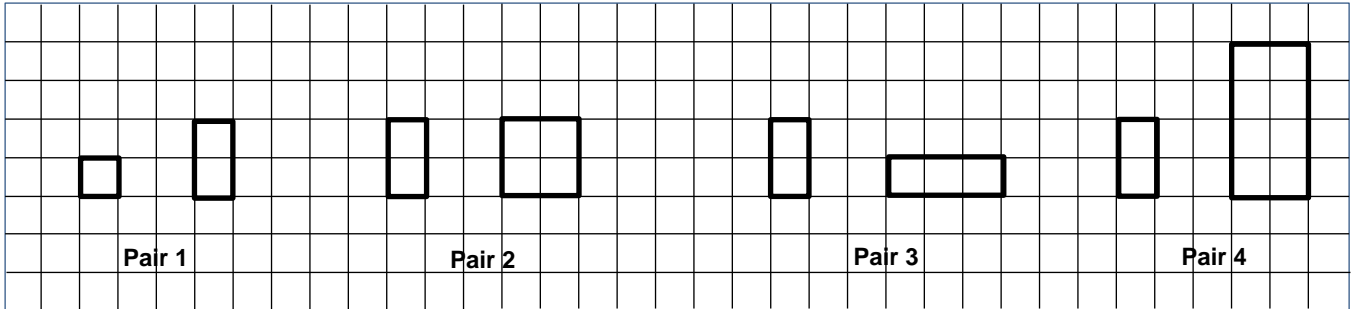
- Pair 1
 Pair 2
 Pair 3
 Pair 4



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

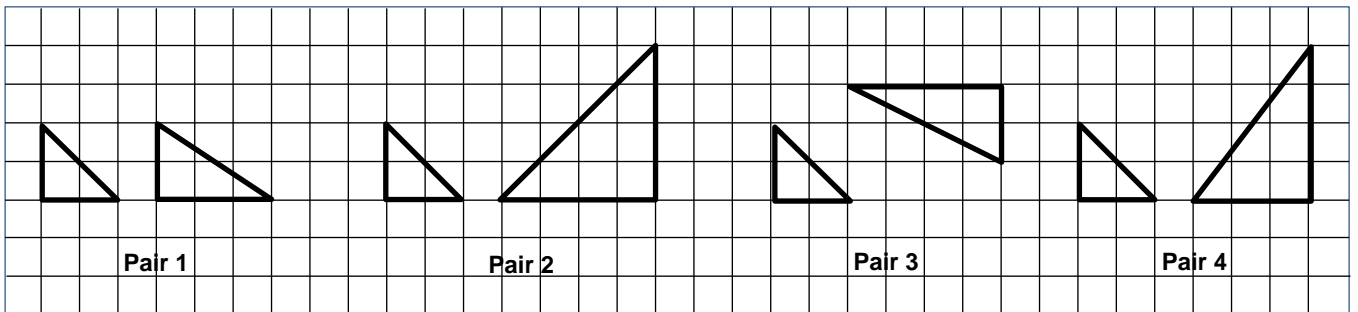
Questions 7-9: Select the correct answer for each question.

7. Which pair of figures appear to be similar figures?



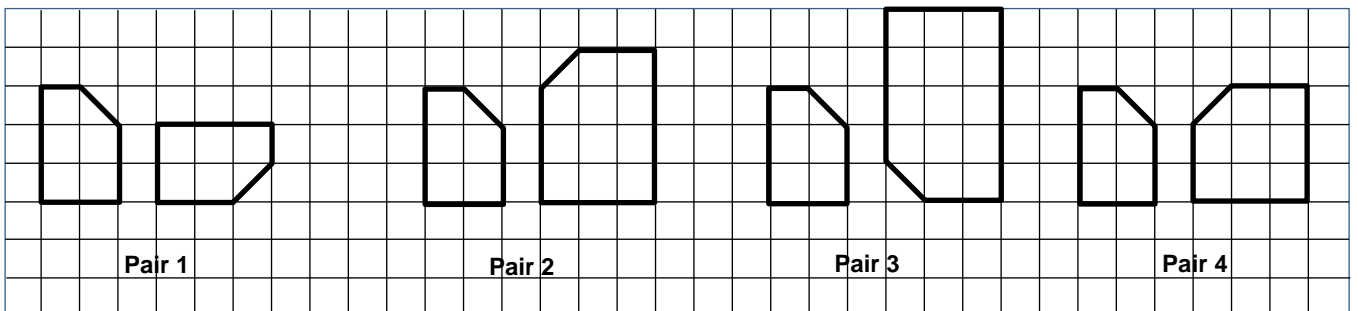
- Pair 1
 Pair 2
 Pair 3
 Pair 4

8. Which pair of figures appear to be similar figures?



- Pair 1
 Pair 2
 Pair 3
 Pair 4

9. Which pair of figures appear to be similar figures?



- Pair 1
 Pair 2
 Pair 3
 Pair 4



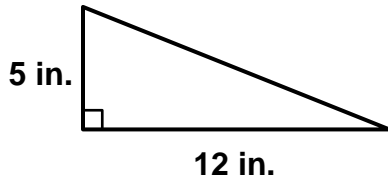
Please stop, put your pencil down and wait for the next directions.

H.S. Geometry Readiness: Fall

(continued)

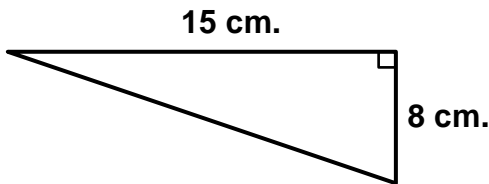
Questions 10-12: Select the correct number and label for each question.

10. Find the missing side of the right triangle. (Note: $a^2 + b^2 = c^2$ and the figure is not drawn to scale.)



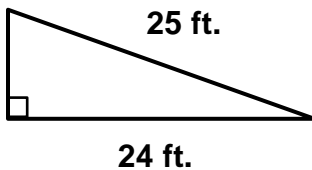
- 7 11 13 17
 in in² in³

11. Find the missing side of the right triangle. (Note: $a^2 + b^2 = c^2$ and the figure is not drawn to scale.)



- 7 17 13 23
 cm² cm cm³

12. Find the missing side of the right triangle. (Note: $a^2 + b^2 = c^2$ and the figure is not drawn to scale.)



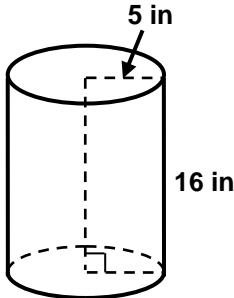
- 7 49 35 1
 ft³ ft² ft



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

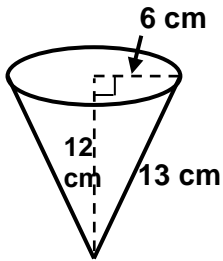
Questions 13-15: Select the correct number and label for each question.

13. Find the volume of the cylinder. (Note: Use 3.14 for π and the figure is not drawn to scale.)



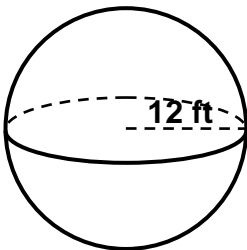
- 1,256.64
 502.40
 78.50
 659.40
 in
 in²
 in³

14. Find the volume of the cone. (Note: Use 3.14 for π and the figure is not drawn to scale.)



- 113.04
 489.84 cm.³
 1,356.48
 452.16
 cm³
 cm²
 cm

15. Find the volume of the sphere. (Note: Use 3.14 for π and the figure is not drawn to scale.)



- 602.88
 7,234.56
 1,808.64
 21,703.68
 ft²
 ft³
 ft



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