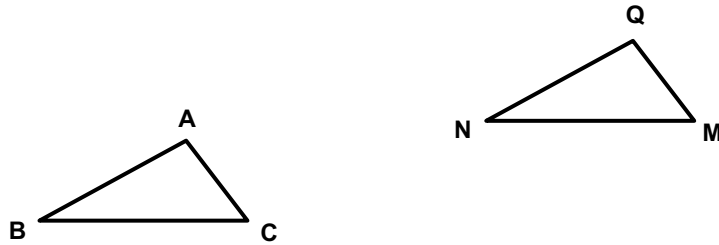


High School Geometry Readiness: Spring Screener

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} ?



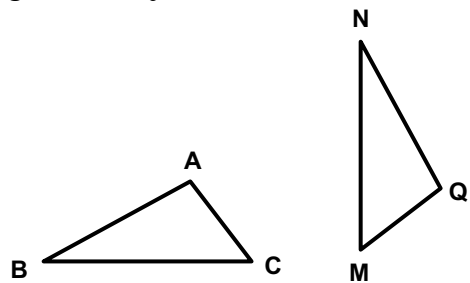
- \overline{CA}
 \overline{AB}
 \overline{CB}
 \overline{BA}

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



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

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



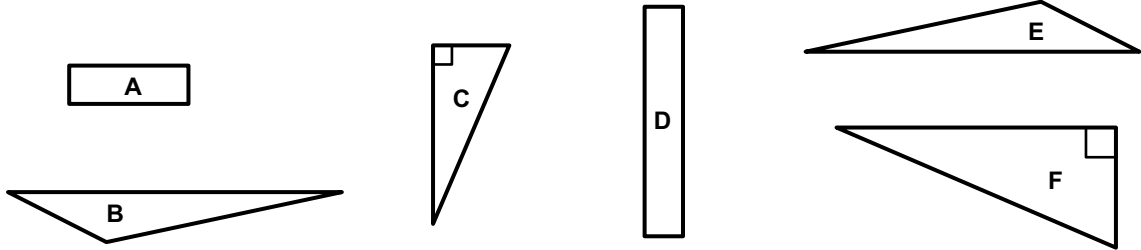
- \overline{AB}
 \overline{AC}
 \overline{CA}
 \overline{CB}



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

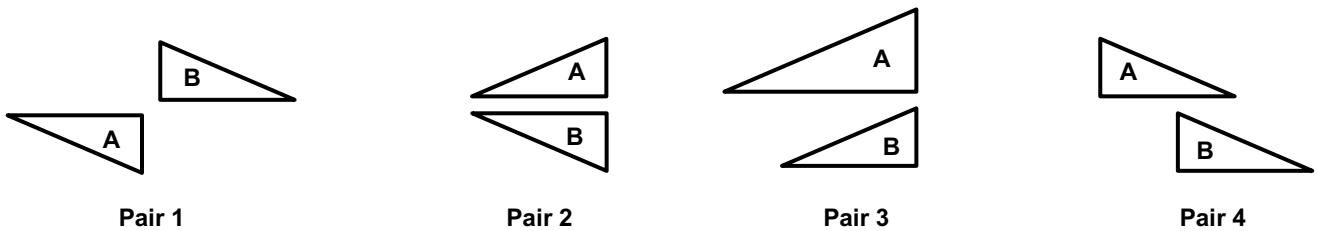
Questions 4-6: Select the correct answer for each question.

4. Which two figures appear to be congruent?



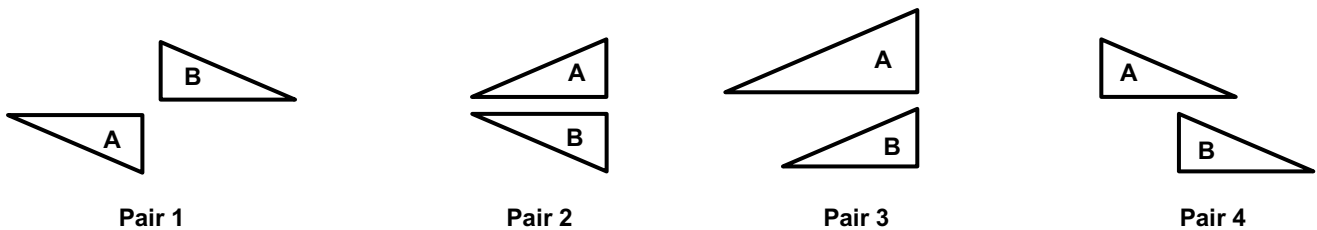
- A and D
 B and E
 C and E
 C and F

5. Which pair of figures is Figure A taken to Figure B by a translation?



- Pair 1
 Pair 2
 Pair 3
 Pair 4

6. Which pair of figures is Figure A taken to Figure B by a rotation?



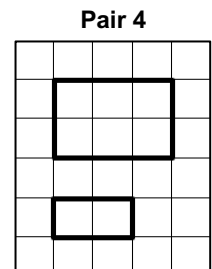
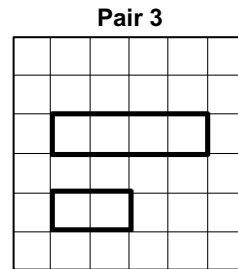
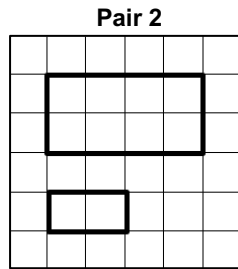
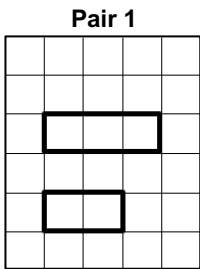
- Pair 1
 Pair 2
 Pair 3
 Pair 4



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

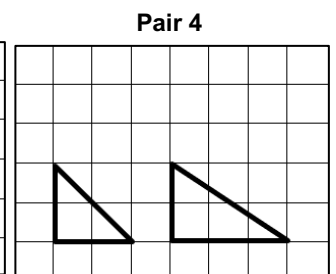
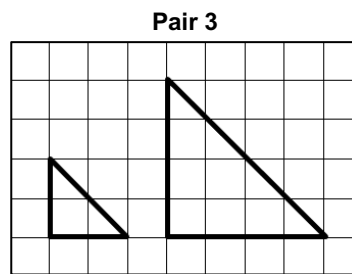
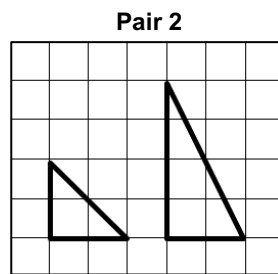
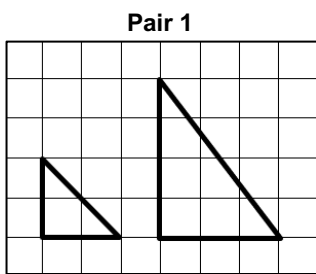
Questions 7-9: Select the correct answer for each question.

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



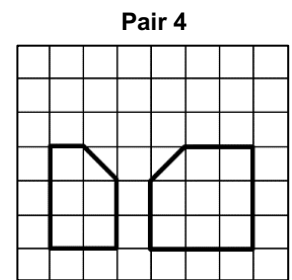
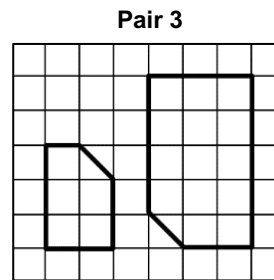
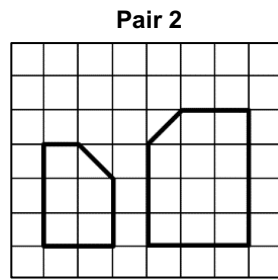
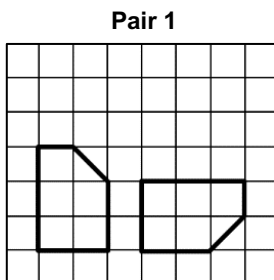
- Pair 1
 Pair 2
 Pair 3
 Pair 4

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?



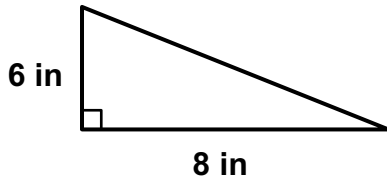
- Pair 1
 Pair 2
 Pair 3
 Pair 4



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

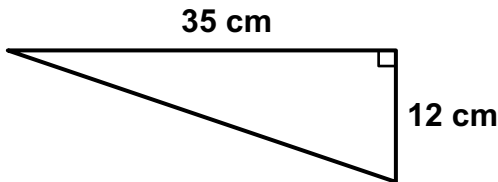
Questions 10-12: Select the correct number and label for each question.

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



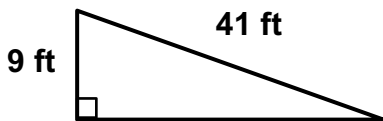
- | | | | |
|-------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------|
| <input type="radio"/> 2 | <input type="radio"/> 14 | <input type="radio"/> 5 | <input checked="" type="radio"/> 10 |
| <input checked="" type="radio"/> in | <input type="radio"/> in ² | <input type="radio"/> in ³ | |

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



- | | | | |
|---------------------------------------|-------------------------------------|---------------------------------------|--------------------------|
| <input type="radio"/> 33 | <input type="radio"/> 47 | <input checked="" type="radio"/> 37 | <input type="radio"/> 23 |
| <input type="radio"/> cm ² | <input checked="" type="radio"/> cm | <input type="radio"/> cm ³ | |

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



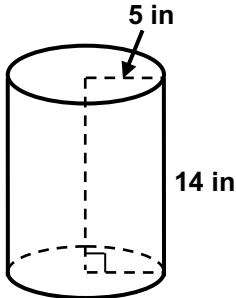
- | | | | |
|---------------------------------------|---------------------------------------|-------------------------------------|--------------------------|
| <input type="radio"/> 32 | <input checked="" type="radio"/> 41 | <input type="radio"/> 50 | <input type="radio"/> 42 |
| <input type="radio"/> ft ³ | <input type="radio"/> ft ² | <input checked="" type="radio"/> ft | |



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

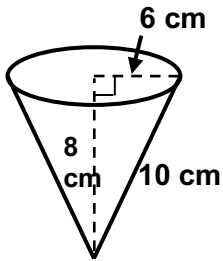
Questions 13-15: Select the correct number and label for each question.

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



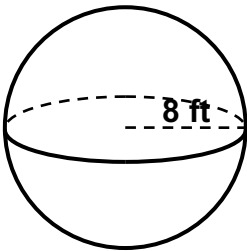
- 1,256.64
 502.40
 78.50
 659.40
 in
 in²
 in³

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



- 376.8
 904.32
 1,130.4
 301.44
 cm³
 cm²
 cm

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



- 267.95
 2,143.57
 535.89
 6,430.72
 ft²
 ft³
 ft



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