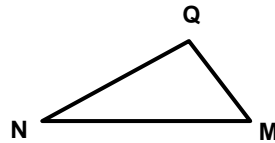
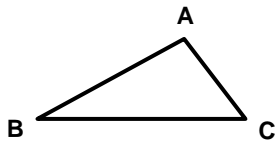


High School Geometry Progress: Fall

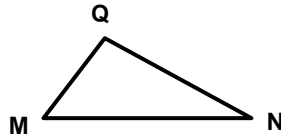
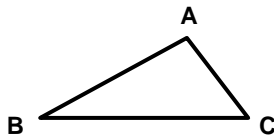
Questions 1-3: Select the correct answer for each question.

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



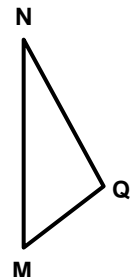
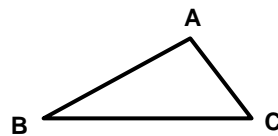
- \overline{BA}
 \overline{AB}
 \overline{CA}
 \overline{CB}

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



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

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

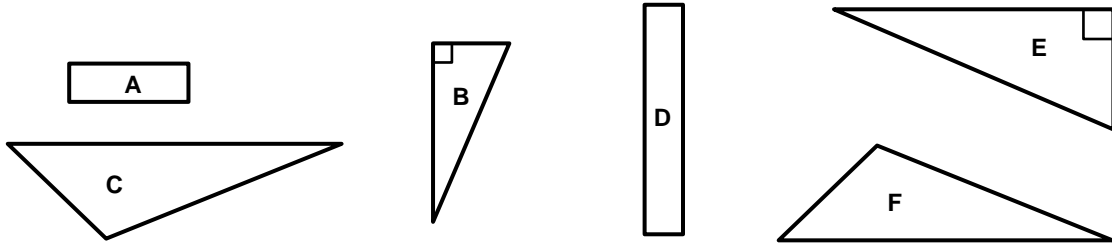


- \overline{AB}
 \overline{BC}
 \overline{CA}
 \overline{CB}



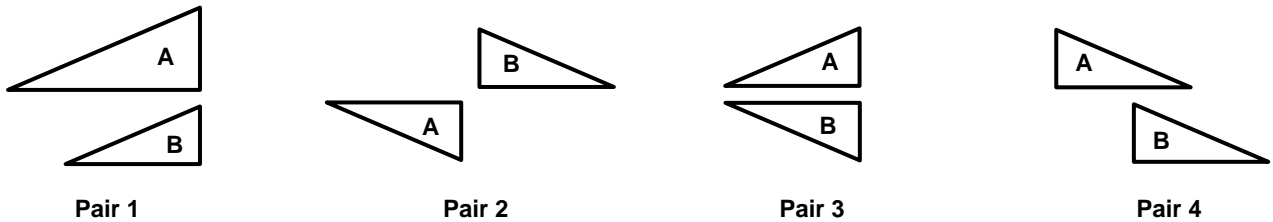
Questions 4-6: Select the correct answer for each question.

4. Which two figures appear to be congruent?



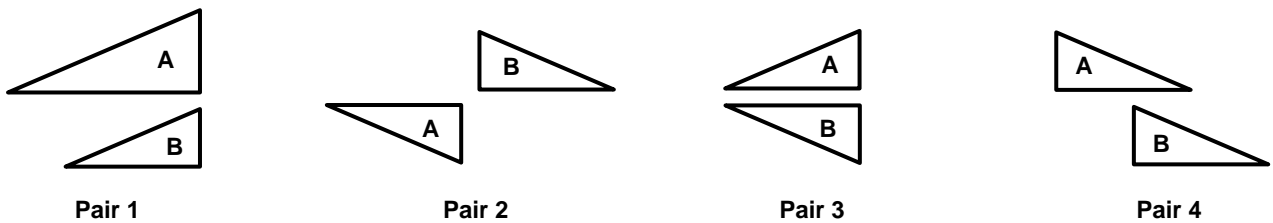
- A and D
 B and E
 C and E
 C and F

5. Which pair of figures 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?



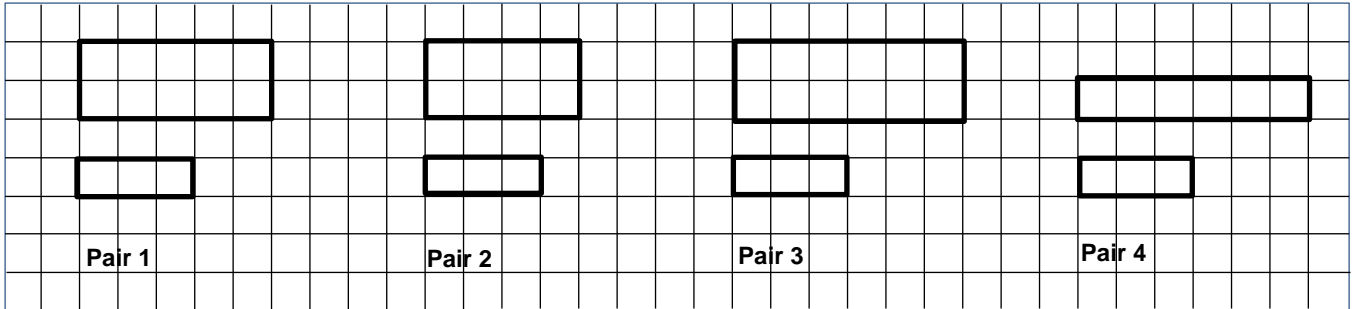
- Pair 1
 Pair 2
 Pair 3
 Pair 4



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

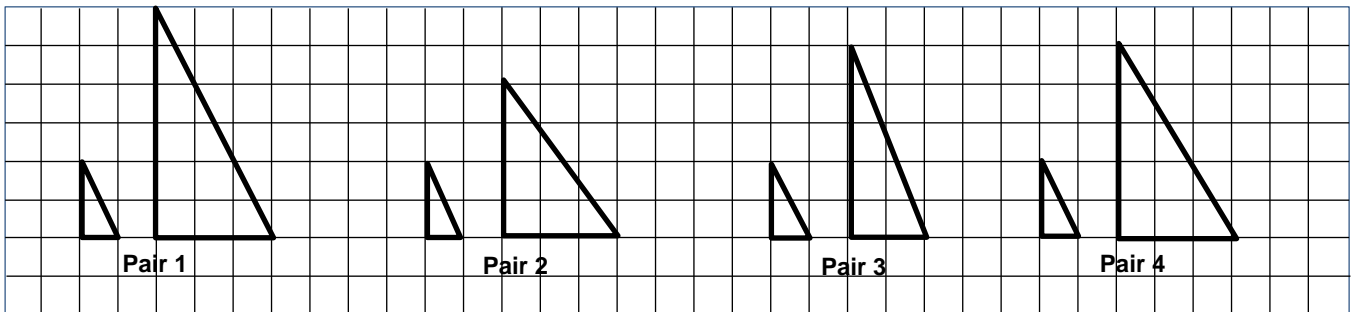
Questions 7-9: Select the correct answer for each question.

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



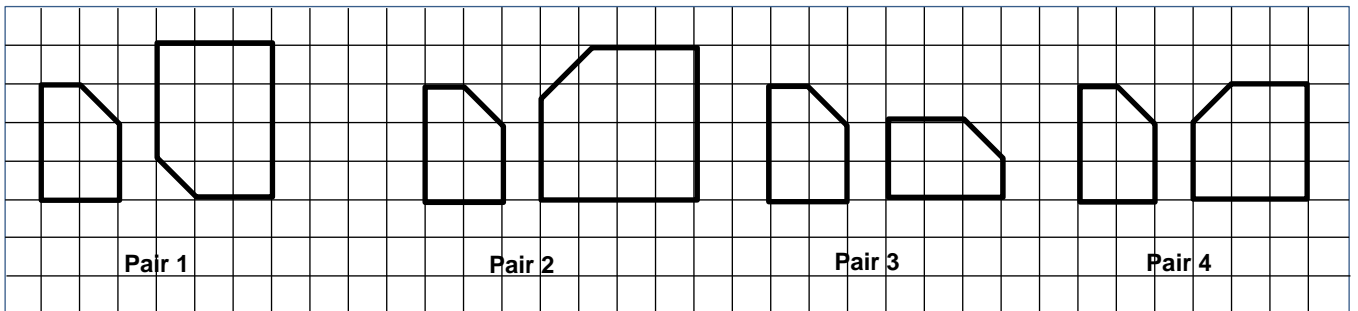
- Pair 1
 Pair 2
 Pair 3
 Pair 4

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?



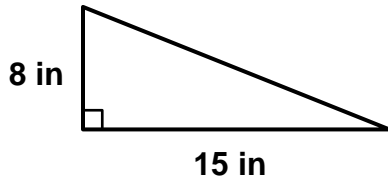
- Pair 1
 Pair 2
 Pair 3
 Pair 4



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

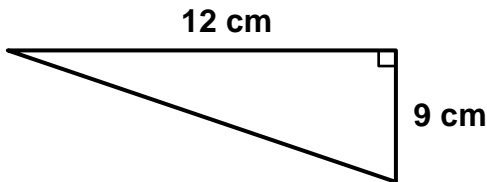
Questions 10-12: Select the correct number and label for each question.

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



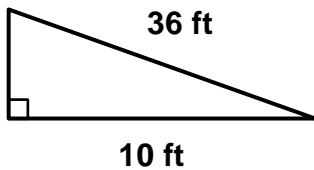
- | | | | |
|--------------------------|---------------------------------------|---------------------------------------|--------------------------|
| <input type="radio"/> 7 | <input type="radio"/> 17 | <input type="radio"/> 23 | <input type="radio"/> 15 |
| <input type="radio"/> in | <input type="radio"/> 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"/> 15 | <input type="radio"/> 3 | <input type="radio"/> 21 | <input type="radio"/> 8 |
| <input type="radio"/> cm ² | <input 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.)



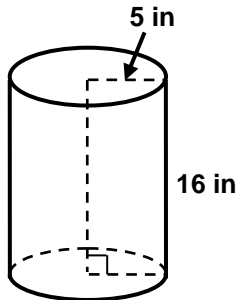
- | | | | |
|---------------------------------------|---------------------------------------|--------------------------|--------------------------|
| <input type="radio"/> 28 | <input type="radio"/> 36 | <input type="radio"/> 16 | <input type="radio"/> 24 |
| <input type="radio"/> ft ³ | <input type="radio"/> ft ² | <input type="radio"/> ft | |



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

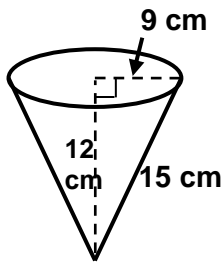
Questions 13-15: Select the correct number and label for each question.

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



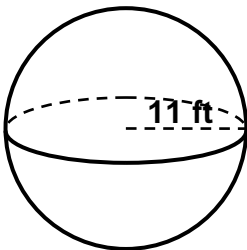
- | | | | |
|--------------------------------|---------------------------------------|---------------------------------------|------------------------------|
| <input type="radio"/> 1,256.64 | <input type="radio"/> 502.40 | <input type="radio"/> 78.50 | <input type="radio"/> 659.40 |
| <input type="radio"/> in | <input type="radio"/> in ² | <input type="radio"/> in ³ | |

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



- | | | | |
|---------------------------------------|---------------------------------------|-------------------------------|------------------------------|
| <input type="radio"/> 3052.08 | <input type="radio"/> 1,017.36 | <input type="radio"/> 1,271.7 | <input type="radio"/> 3815.1 |
| <input type="radio"/> cm ³ | <input type="radio"/> cm ² | <input type="radio"/> cm | |

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



- | | | | |
|---------------------------------------|---------------------------------------|------------------------------|--------------------------------|
| <input type="radio"/> 16,717.36 | <input type="radio"/> 1,393.11 | <input type="radio"/> 506.59 | <input type="radio"/> 5,572.45 |
| <input type="radio"/> ft ² | <input type="radio"/> ft ³ | <input type="radio"/> ft | |



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