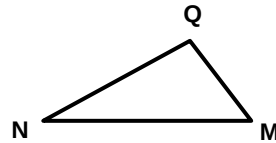
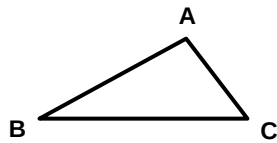


High School Geometry Readiness: Spring Screener

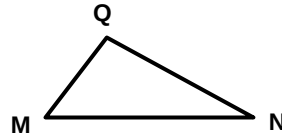
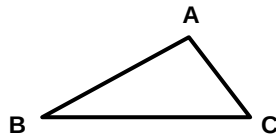
Questions 1-3: Select the correct answer for each question.

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



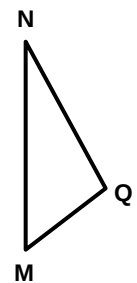
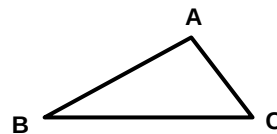
- ☐ $\overline{CA}$
☐ $\overline{AB}$
☐ $\overline{CB}$
☐ $\overline{BA}$

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 $\overline{QN}$?



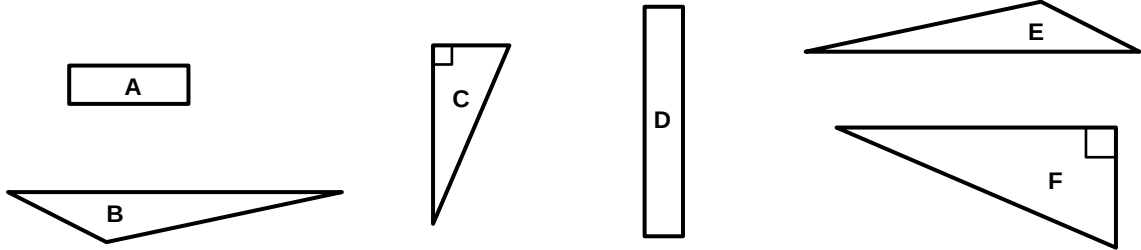
- ☐ $\overline{AB}$
☐ $\overline{AC}$
☐ $\overline{CA}$
☐ $\overline{CB}$



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

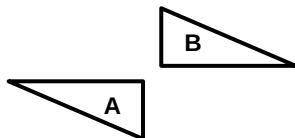
Questions 4-6: Select the correct answer for each question.

4. Which two figures appear to be congruent?

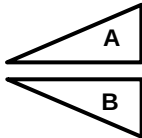


- ☐ A and D
 ☐ B and E
 ☐ C and E
 ☐ C and F

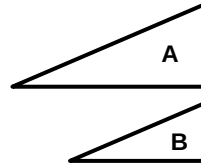
5. Which pair of figures is Figure A taken to Figure B by a translation?



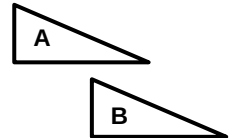
Pair 1



Pair 2



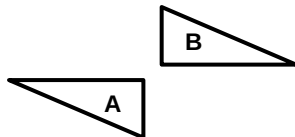
Pair 3



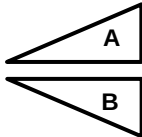
Pair 4

- ☐ Pair 1
 ☐ Pair 2
 ☐ Pair 3
 ☐ Pair 4

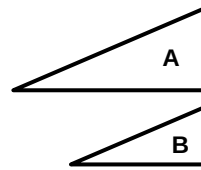
6. Which pair of figures is Figure A taken to Figure B by a rotation?



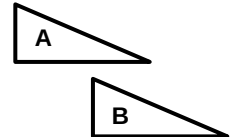
Pair 1



Pair 2



Pair 3



Pair 4

- ☐ Pair 1
 ☐ Pair 2
 ☐ Pair 3
 ☐ Pair 4



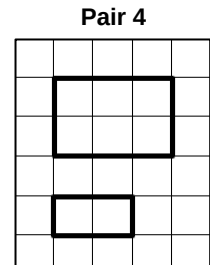
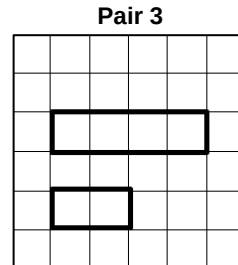
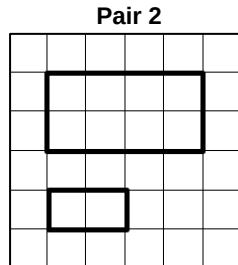
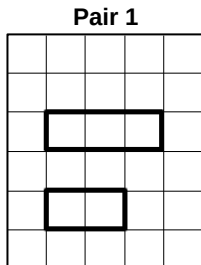
Please stop, put your pencil down and wait for the next directions.

H.S. Geometry Readiness: Spring

(continued)

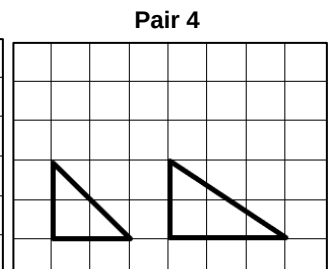
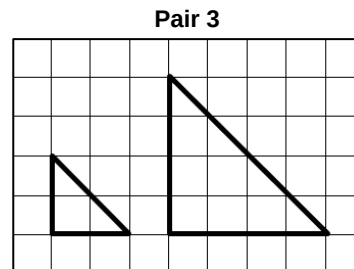
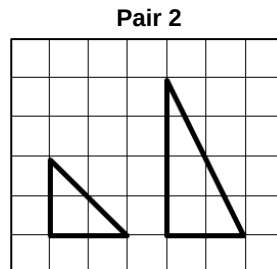
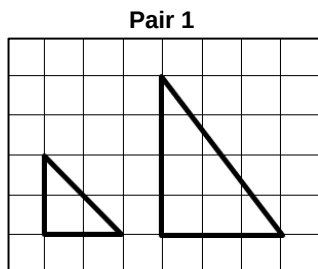
Questions 7-9: Select the correct answer for each question.

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



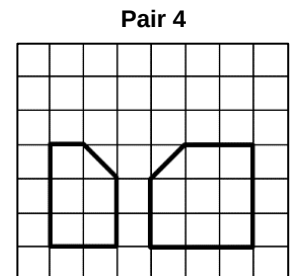
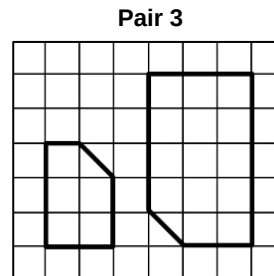
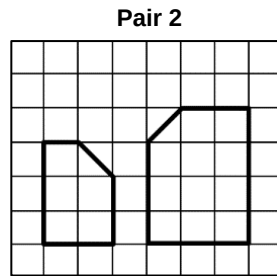
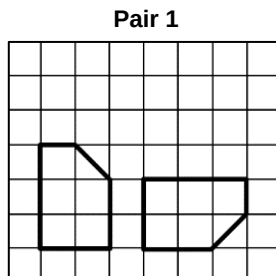
- ☐ Pair 1
 ☐ Pair 2
 ☐ Pair 3
 ☐ Pair 4

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?



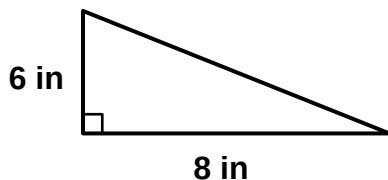
- ☐ Pair 1
 ☐ Pair 2
 ☐ Pair 3
 ☐ Pair 4



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

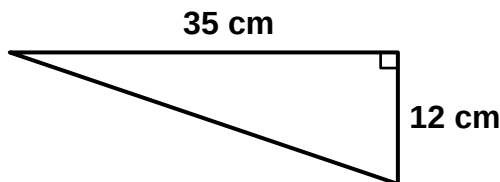
Questions 10-12: Select the correct number and label for each question.

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



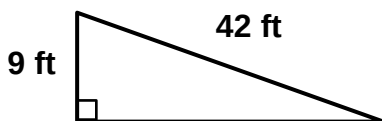
- | | | | |
|--------------------------|---------------------------------------|---------------------------------------|--------------------------|
| ☐ 2 | ☐ 14 | ☐ 5 | ☐ 10 |
| ☐ in | ☐ in ² | ☐ in ³ | |

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



- | | | | |
|---------------------------------------|--------------------------|---------------------------------------|--------------------------|
| ☐ 33 | ☐ 47 | ☐ 37 | ☐ 23 |
| ☐ cm ² | ☐ cm | ☐ 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.)



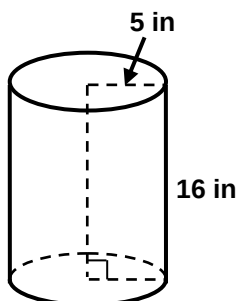
- | | | | |
|---------------------------------------|---------------------------------------|--------------------------|--------------------------|
| ☐ 32 | ☐ 41 | ☐ 50 | ☐ 42 |
| ☐ ft ³ | ☐ ft ² | ☐ ft | |



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

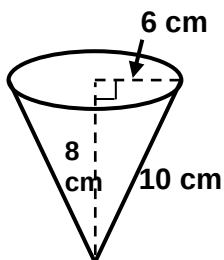
Questions 13-15: Select the correct number and label for each question.

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



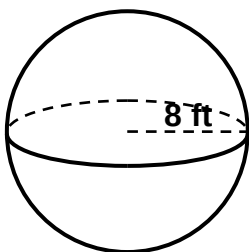
- | | | | |
|--------------------------------|---------------------------------------|---------------------------------------|------------------------------|
| ☐ 1,256.64 | ☐ 502.40 | ☐ 78.50 | ☐ 659.40 |
| ☐ in | ☐ in ² | ☐ in ³ | |

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 |
| ☐ cm ³ | ☐ cm ² | ☐ 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 |
| ☐ ft ² | ☐ ft ³ | ☐ ft | |



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