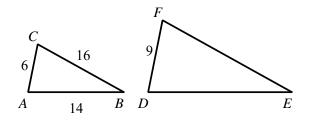
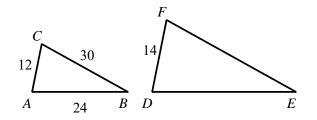
Geometry Practice G.SRT.B.5: Similarity 6 www.jmap.org

NAME:

- 1. The perimeter of $\triangle PQR$ is 75, PQ = 25, $\triangle PQR \sim \triangle STU$, and ST = 30. What is the perimeter of $\triangle STU$?
- 2. The perimeter of $\triangle PQR$ is 64, PQ = 24, $\triangle PQR \sim \triangle STU$, and ST = 30. What is the perimeter of $\triangle STU$?
- 3. Find the perimeter of $\triangle DEF$ if $\triangle ABC \sim \triangle DEF$.



4. Find the perimeter of $\triangle DEF$ if $\triangle ABC \sim \triangle DEF$.



5. If the figures below are similar, what is the perimeter of the smaller figure?



- 6. Two pentagons are similar. The perimeter of one is 42 m and that of the other is 105 m. Find the ratio of the sides of the pentagons.
 - [A] 2.5 [B] 1:2.5 [C] 1:6.25 [D] 1:2

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- [1] 90
- [2] 80
- [3] 54
- [4] 77
- [5] <u>B</u>
- [6] <u>B</u>