Similar Sequence

Problem Card 1

Find the lengths of sides *XY*, *PR*, and *QR*.
Do not round.

Similar Sequence

Data Card 1

- Triangle *XYZ* is similar to triangle *PQR*
- *XZ* = 6
- *ZY* = 8
- *PQ* = 15
- Angles *Z* and *R* are right angles
- Angle *P* is 53 degrees
- Angle *Y* is 37 degrees
- The scale factor from triangle *PQR* to triangle *XYZ* is $\frac{2}{3}$

Similar Sequence

Problem Card 2

Find the lengths of sides *AB*, *BC*, and *EF*.
Do not round.

Similar Sequence

Data Card 2

- Triangle *ABC* is similar to triangle *DEF*
- *AC* = 13
- *DE* = 17
- *DF* = 8
- Angles *C* and *F* are right angles
- Angle *A* is 62 degrees
- Angle *E* is 28 degrees
- The scale factor from triangle *DEF* to triangle *ABC* is $\frac{13}{8}$

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