回数料理

Name:	Date
	2010

Date: _____

Fresh Math

Definitions Of Similarity

Solve for x. Show your work.

- {Triangle ABC has sides } 3, 4, 5. {
 Triangle DEF has sides } 9, 12, 15.
 {Are they similar? If so, find the scale factor.}
- {Two triangles each have angles of }56circ { and } 77circ. {Are they simila r? By what criterion?}

- 3. {Triangle ABC has sides } 3, 4, 5. { Triangle DEF has sides } 9, 12, 15. {Are they similar? If so, find the scale factor.}
- 4. {Two triangles each have angles of } 53circ { and } 78circ. {Are they simila r? By what criterion?}

- 5. {Triangle ABC has sides } 3, 4, 5. {
 Triangle DEF has sides } 6, 8, 10. {Are they similar? If so, find the scale factor.}
- 6. {Two triangles each have angles of } 54circ { and } 67circ. {Are they simila r? By what criterion?}

- 7. {Triangle ABC has sides } 3, 4, 5. {
 Triangle DEF has sides } 9, 12, 15.
 {Are they similar? If so, find the scale factor.}
- 8. {Two similar triangles have scale factor } 3. { If one side is } 7 { in the smaller triangle, text{{what is the corresponding side in the larger triangle?}}



Definitions Of Similarity - Answer Key

{Triangle ABC has sides } 3, 4, 5. {
 Triangle DEF has sides } 9, 12, 15.
 {Are they similar? If so, find the scale factor.}

Yes, scale factor = 3

2. {Two triangles each have angles of }

56circ4(and)}-77gircir(Are)they simila

r? By what criterion?}

3. {Triangle ABC has sides } 3, 4, 5. { Triangle DEF has sides } 9, 12, 15. {Are they similar? If so, find the scale factor.}

Yes, scale factor = 3

4. {Two triangles each have angles of }

53circe(Aquadi)-78gircin(Arrenthey simila
r? By what criterion?}

5. {Triangle ABC has sides } 3, 4, 5. { Triangle DEF has sides } 6, 8, 10. {Are they similar? If so, find the scale factor.}

Yes, scale factor = 2

6. {Two triangles each have angles of } 54circa (and) - 67girca (Arreythey similar? By what criterion?}

7. {Triangle ABC has sides } 3, 4, 5. {
Triangle DEF has sides } 9, 12, 15.
{Are they similar? If so, find the scale factor.}

Yes, scale factor = 3

8. {Two similar triangles have scale factor } 3. { If one side is } 7 { in the smaller triangle, text{{what is the corresponding side in the larger triangle?}}

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