

Q2HW2

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Solve each proportion.

1) $\frac{8}{a} = \frac{3}{4}$

2) $\frac{6}{8} = \frac{4}{k-1}$

3) $\frac{3}{p-5} = \frac{2}{9}$

4) $\frac{x-9}{5} = \frac{8}{9}$

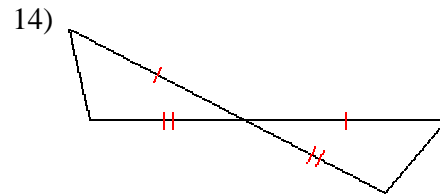
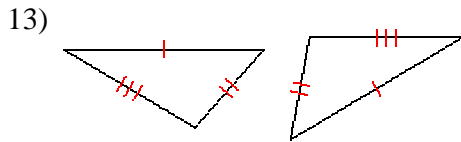
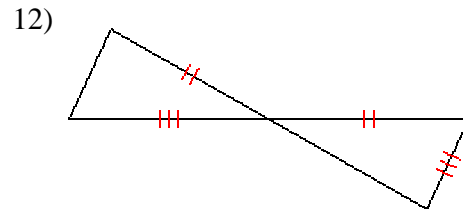
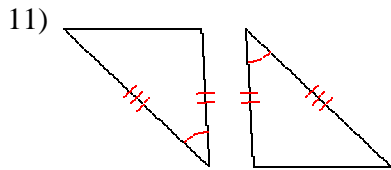
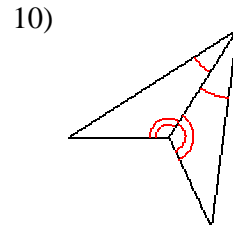
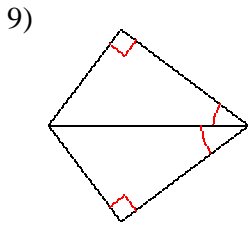
5) $\frac{4}{8} = \frac{n}{n+6}$

6) $\frac{m-1}{m-3} = \frac{8}{7}$

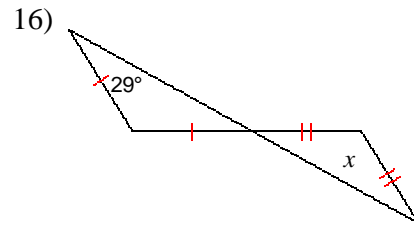
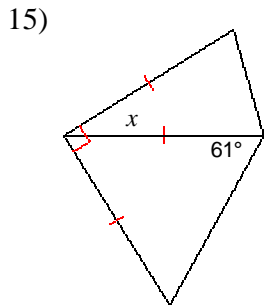
7) $\frac{p+5}{p-6} = \frac{5}{2}$

8) $\frac{9}{x-2} = \frac{7}{x+3}$

State if the two triangles are congruent. If they are, state how you know.



Find the value of x.



Find the surface area of each figure. Round your answers to the nearest thousandth, if necessary.

