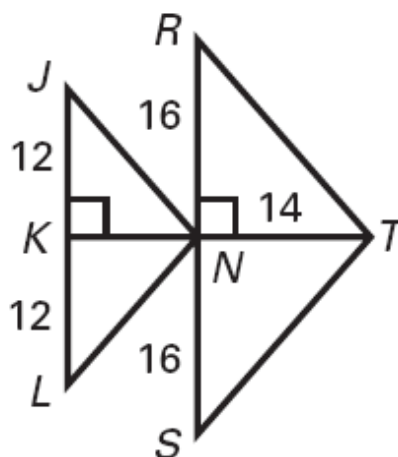


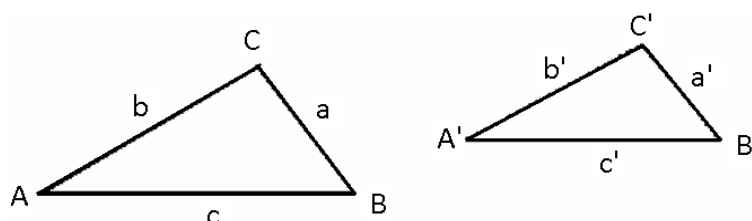
Name: _____

Similar Triangles

- 1)
- $\triangle JNL \sim \triangle RTS$
- . Find the length of
- \overline{KN}
- .

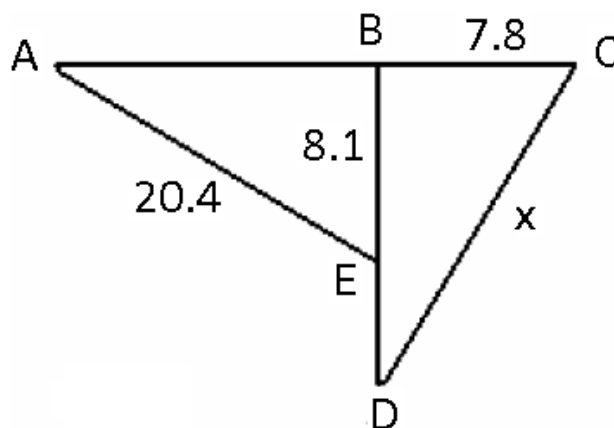


- 2)
- $\triangle ABC \sim \triangle A'B'C'$



- Given: $m\angle A = 38^\circ$, $m\angle C' = 125^\circ$, $a = 15$ in, $a' = 12$ in, and $c = 20$ in. Find $m\angle B$ and c' .
- Given: $m\angle A = 25^\circ$, $m\angle C' = 95^\circ$, $c = 32$ cm, $c' = 24$ cm, and $b' = 21$ cm. Find $m\angle B'$ and b .
- Given: $m\angle B = 60^\circ$, $m\angle C' = 98^\circ$, $a = 49$ mm, $b = 56$ mm, and $b' = 40$ mm. Find $m\angle A$ and a' .
- Given: $m\angle C = 112^\circ$, $m\angle A' = 30^\circ$, $b = 50$ ft, $c = 75$ ft, and $b' = 45$ ft. Find $m\angle B'$ and c' .
- Given: $m\angle C = 3 m\angle B$, $m\angle A' = 20^\circ$, $a = 80$ yd, $a' = 20$ yd, and $c' = 26$ yd. Find $m\angle B'$ and c' .
- Given: $m\angle A = m\angle B$, $m\angle C' = 98^\circ$, $a = 8$ in, $b' = 6$ in, and $c' = 9$ in. Find $m\angle A$, $m\angle B'$, b and c .

- 3) Given that $\overline{DB} \perp \overline{AC}$, $\angle EAB \cong \angle CDB$



- 1) Prove: $\triangle ABE \cong \triangle DBC$
 - 2) Find the value of x
- 4) Prove that $\triangle CAT \cong \triangle DAG$

