**Ähnliche Dreiecke I**

**1. Aufgabe:** Sind folgende Dreiecke zueinander ähnlich? Kreuze an!

Planskizze:

|  |  |  |
| --- | --- | --- |
| a = 84 cm, b = 49 cm c = 112 cm | Ja | Nein |
| a‘ = 60 cm, b‘ = 35 cm c‘ = 80 cm |  |  |
|  |  |  |
| a = 120 cm, b = 64 cm c = 128 cm | Ja | Nein |
| a‘ = 74 cm, b‘ = 75 cm c‘ = 80 cm |  |  |
|  |  |  |
| a = 96 cm, b = 60 cm c = 84 cm | Ja | Nein |
| a‘ = 80 cm, b‘ = 50 cm c‘ = 70 cm |  |  |

**2. Aufgabe:** Berechne die fehlenden Strecken.

|  |  |  |
| --- | --- | --- |
| a = 64 cm | b = 16 cm |  |
| a‘ = 80 cm |  | c‘ = 80 cm |
|  |  |  |
|  | b = 28 cm | c = 98 cm |
| a‘ = 70 cm | b‘ = 20 cm |  |
|  |  |  |
| a = 128 cm | b = 80 cm |  |
|  | b‘ = 50 cm | c‘ = 65 cm |
|  |  |  |
| a = 70,4 cm |  | c = 96 cm |
| a‘ = 44 cm | b‘ = 20 cm |  |

Rechnungen: