Similar Triangles

Find the value of x, if each pair of triangles is similar.

1)

35 yd
5 yd
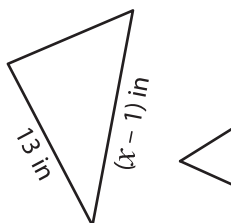(4x) yd
4 yd

$x =$ _____

2)

49 in
56 in
(-2x + 31) in
72 in

$x =$ _____

3)

13 in
(x – 1) in

$x =$ _____

7 ft
(7x) ft

5)

27 yd
9 yd

$x =$ _____

40 ft
35 ft
(x + 5) ft
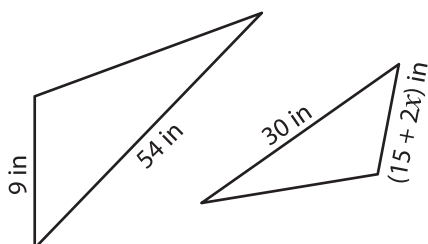
7)

6 in
54 in
30 in
(15 + 2x) in

$x =$ _____

8)

18 yd
22 yd
11 yd
(3x) yd
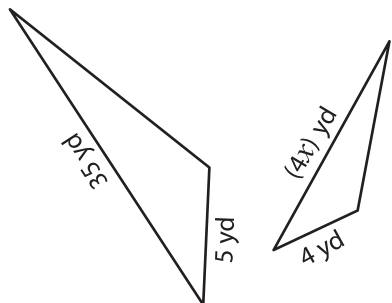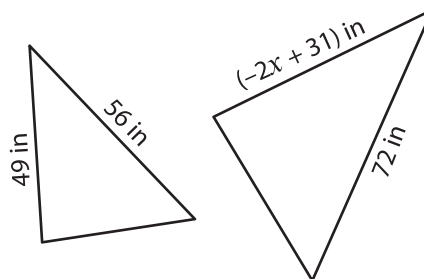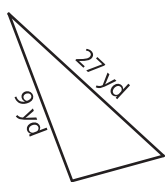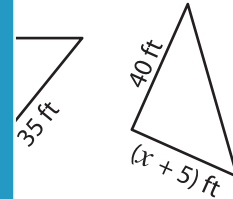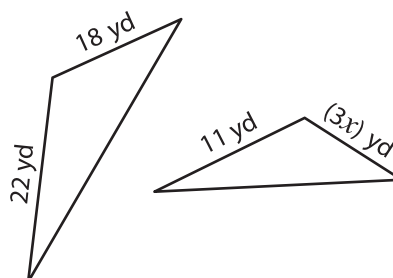
$x =$ _____

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