

Geometry * Word Problems 2 A

1

$X + 10$	$X + X + X$
=====	=====
$20 + 10$	$20 + 20 + 20$

$4x + 10 = 90$ Degrees $4x = 80$
 $x = 20$ Feet Check: $30 + 60 = 90$

2

$X + X - 30$	X
=====	=====
$70 + 70 - 30$	70

$3x - 30 = 180$ Degrees $3x = 210$
 $x = 70$ Feet Check: $110 + 70 = 180$

3

$X - 20$	$X + X$	$X - 20$
=====	=====	=====
$55 - 20$	$55 + 55$	$55 - 20$

$4x - 40 = 180$ Degrees $4x = 220$
 $x = 55$ Feet Check: $35 + 110 + 35 = 180$

4

X	$X + X$	$X - 20$
=====	=====	=====
50	$50 + 50$	$50 - 20$

$4x - 20 = 180$ Degrees $4x = 200$
 $x = 50$ Feet Check: $50 + 100 + 30 = 180$

5

X	$X + X$	X
=====	=====	=====
12	$12 + 12$	12

$4x = 48$ Feet $x = 12$ Feet
 Check: $12 + 24 + 12 = 48$

6

X	$X + X$	$X + 5$
=====	=====	=====
9	$9 + 9$	$9 + 5$

$4x + 5 = 41$ Feet $4x = 36$
 $x = 9$ Feet Check: $9 + 18 + 14 = 41$

7

$X + X$	X	$X + X$	X
=====	=====	=====	=====
$6 + 6$	6	$6 + 6$	6

$6x = 42$ Feet $x = 7$ Feet
 Check: $14 + 7 + 14 + 7 = 42$

8

$X - 3$	X	$X - 3$	X
=====	=====	=====	=====
$8 - 3$	8	$8 - 3$	8

$4x - 6 = 26$ Feet $4x = 32$
 $x = 8$ Feet Check: $5 + 8 + 5 + 8 = 26$