

Geometry * Word Problems 2 B

1

$X + 30$	$X + X$
=====	=====
$20 + 30$	$20 + 20$

$3x + 30 = 90$ Degrees $3x = 60$
 $x = 20$ Feet Check: $50 + 40 = 90$

2

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

$4x - 20 = 180$ Degrees $4x = 200$
 $x = 50$ Feet Check: $30 + 150 = 180$

3

$X + 10$	$X + X$	$X + 10$
=====	=====	=====
$40 + 10$	40	$40 + 10$

$4x + 20 = 180$ Degrees $4x = 160$
 $x = 40$ Feet Check: $50 + 80 + 50 = 180$

4

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

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

5

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

$5x = 35$ Feet $x = 7$ Feet
 Check: $14 + 7 + 14 = 35$

6

$X + X$	X	$X - 4$
=====	=====	=====
$9 + 9$	9	$9 - 4$

$4x - 4 = 32$ Feet $4x = 36$
 $x = 9$ Feet Check: $18 + 9 + 5 = 41$

7

X	$X + X + X$	X	$X + X + X$
=====	=====	=====	=====
7	$7 + 7 + 7$	7	$7 + 7 + 7$

$8x = 56$ Feet $x = 7$ Feet
 Check: $7 + 21 + 7 + 21 = 56$

8

$X - 2$	X	$X - 2$	X
=====	=====	=====	=====
$8 - 2$	8	$8 - 2$	8

$4x - 4 = 28$ Feet $4x = 32$
 $x = 8$ Feet Check: $6 + 8 + 6 + 8 = 40$