

Summer Review Honors Geometry

Answer Key

1. 44.5
2. 3
3. -18
4. -4.5
5. 6, 1
6.  $\frac{12}{25}$
7.  $32g - 38h$
8.  $2y^2 + 11y - 21$
9.  $18x^5 - 24x^3 + 24x^2$
10.  $-27x^9y^6$
11.  $6x^2 - 2x - 20$
12.  $4x^2 - 20x + 25$
13.  $-4x^{12}y^7$
14.  $2x^2 + 6x - 1$
15.  $z = 9$
16.  $n = -5$
17.  $x = -\frac{13}{4}$
18.  $y = \pm 3$
19.  $w = -5, 2$
20.  $v = 2, -\frac{5}{3}$
21.  $x > -8$
22.  $x = \frac{10}{3}$
23.  $r = 10$
24.  $X = 20$
25. 16:9
26. (8, 5)
27. (-5, 3)
28.  $y = -\frac{2}{3}x + 2$
29.  $m = -\frac{1}{2}$  y-int = 6, x-int = 3
30.  $m = \frac{3}{2}$  y-int = 5, x-int =  $-\frac{10}{3}$
31.  $y = -\frac{1}{2}x + 8$
32.  $y = \frac{3}{4}x - \frac{13}{2}$
33.  $y = \frac{1}{2}x + \frac{9}{2}$

34.  $y = \frac{4}{5}x + 10$

35.  $y = -\frac{5}{4}x$

36. 2 5

37. (0, 5)

38.  $2x + 2(x + 6) = 48$

39.  $x = 9$  in

40.  $A = 135 \text{ in}^2$

41.  $x(x + 6) = 72$

42. 6 in X 12 in

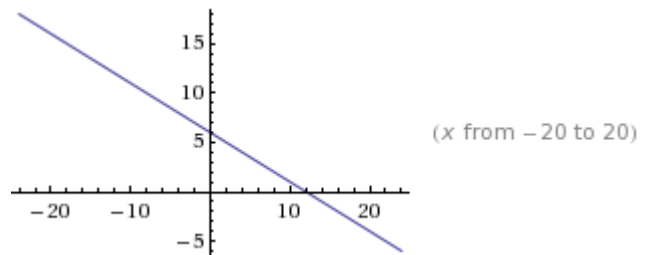
43. 3 and 13

44. Width 17m Length 30m

45. 11 and 16

46. 12m X 4m

#29



#30

