

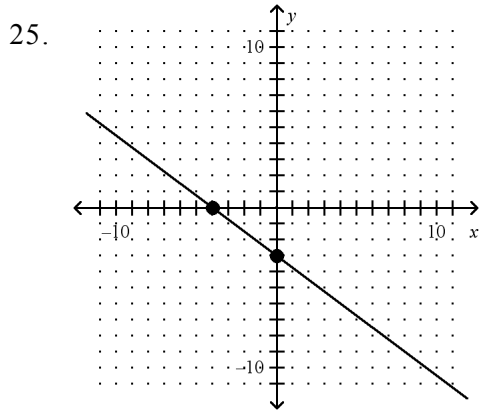
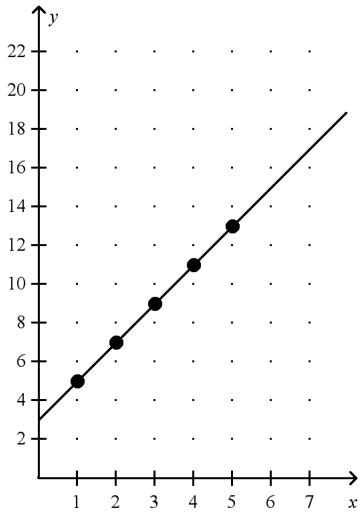
## SUMMER MATH 2020 ALGEBRA 2 ASSIGNMENT

## Answer Section

1.  $(-\frac{17}{2}, -2)$
2.  $2\sqrt{5}$
3.  $y = 1$
4. 29 gallons
5. C
6.  $\overline{AC} \cong \overline{CE}$
7. 30
8.  $y = 4.8$  in.
9. AAS
10.  $x = 9\sqrt{2}$ ,  $y = 9 + 9\sqrt{3}$  or  $9(1 + \sqrt{3})$
11. 15.1976 m<sup>2</sup>
12. D: {0, 1, 2}; R: {-3, -1, 3, 5}  
The relation is not a function.
13. 16 in.
14. 180 in<sup>2</sup>
15. -1
16. 17
17.  $q = 19$
18.  $f = 20$
19.  $y = \frac{13}{6}b - 26$
20.  $\frac{31}{2}$
21.  $m = -4$ ,  $b = 10$
22. a)  $y = (3/2)x + (13/2)$ ; b)  $y = -\frac{2}{3}x$
23.  $3x + 2y = -5$

24.

$x$	1	2	3	4	5
$f(x)$	5	7	9	11	13



26.  $(2, 5)$

27.  $(25, 65)$

28.  $256x^6y^{18}$

29.  $n^2 - 3n - 4$

30.  $p^2 - 14p + 49$

31.  $\frac{x^{12}}{y^{32}}$

32.  $\frac{7t^8}{r^3}$

33.  $(a + 6)(a + 8)$

34.  $(r - 4)(r + 5)$

35.  $(x + 2)(2x + 3)$

36.  $(5x - 2)(3x^2 - 5)$

37.  $(3x - 1)(x - 6)$

38.  $2(3t - 2)(3t + 2)$

39.  $2(x - 5y)(x + 5y)$

40.  $(x + 3)^2$

41.  $(2n - 7)^2$

42.  $7d^5 + 4d^4 - 4$

43.  $7c^2 - 3c + 4$

44.  $38 \text{ cm}^2$

45.  $x = 3\sqrt{5}$