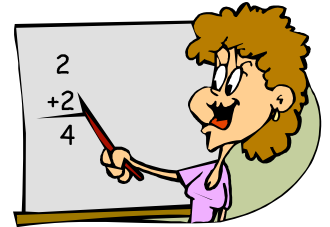




BRUSHING UP ON BASIC SKILLS FOR STUDENTS ENTERING GEOMETRY - KEY



1. 6

2. 8

3. $\sqrt{58}$

4. $6\sqrt{6}$

5. 20

6. $5\sqrt{3}$

7. $3\sqrt{11}$

8. $2x$

9. $4xy^2$

10. $5ab^5c^6$

11. $6 - 12z - 10z^2$

12. $4 + 17c - 14c^2$

13. $5k^2$

14. 0

15. $7\frac{11}{12}$

16. $x = 0.5$

17. $x = 8$

18. $d = -3$

19. $h = -4$

20. (-1,3)

21. (-1,4)

22. (4,4)

23. (4,3)

24. M(2,5)

$$d = 4\sqrt{10} \approx 12.6$$

25. M(2,2.5)

$$d = 25$$

26. $y - 3 = 3(x - 2)$

or $y - 9 = 3(x - 4)$

27. *Answers may vary*

Sample answer:

$$y - 1 = -\frac{1}{4}(x - 0)$$

28. 5 cm

29. 13 mm

30. P=36 in

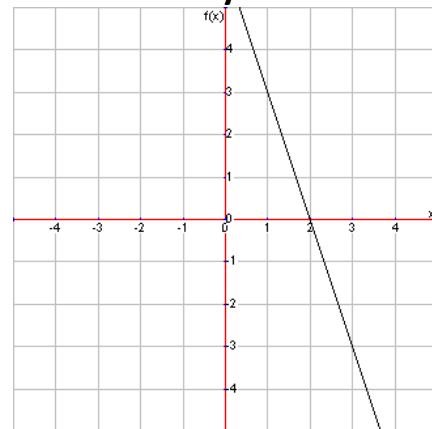
31. P=25 mm

32. $A=14 \text{ cm}^2$

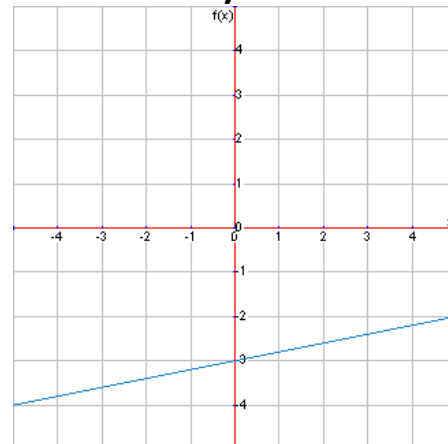
33. $A \approx 5.14 \text{ cm}^2$

34. 4

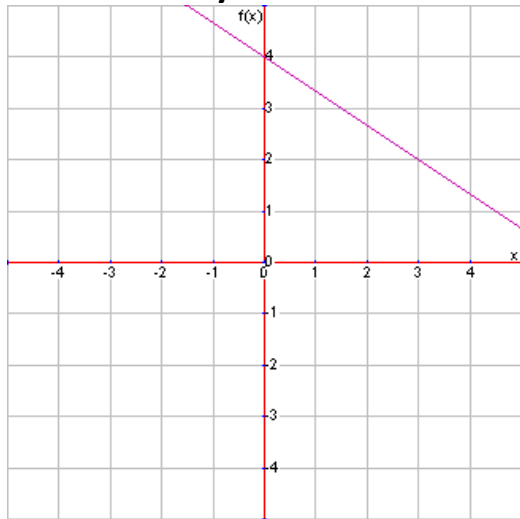
35. *Table will vary*



36. *Table will vary*



37. Table will vary



38.

Point	An undefined term in geometry that names a location
Line	An undefined term in geometry that has a straight path and no thickness
Plane	Undefined term in geometry; a flat surface with no thickness that extends infinitely
Perpendicular	Intersecting to form 90° angles
Parallel	Lies in the same plane and does not intersect
Bisect	Divide into two congruent parts
Obuse angle	An angle with a measure greater than 90° and less than 180°
Acute angle	An angle with a measure greater than 0° and less than 90°
Right angle	An angle measuring 90°
Adjacent angles	Two angles with a common vertex, common side and no common interior points
Line segment	A segment of a line containing two endpoints and the set of all points in between
Ray	Part of a line that starts at an endpoint and extends infinitely in one direction
Perimeter	Sum of the side lengths of a closed plane figure
Area	Number of nonoverlapping unit squares of a given size that can be contained in a plane figure