

1. I and II

2. $484\pi \text{ in}^2$

3. $m = \frac{3}{2}$ $b = -4$

4. 2000

5. A vertical line in quadrants I and IV

6. None of these. $(-4,0)$; $(0,6)$

7. $x + 3y = 6$

8. $3a - 4$

9. 0

10. $y = \frac{1}{3}x + 1$

11. $(-1,2)$

12. $3(2b+1) + b = 6$

13. $y = 4$

14. $0.16s + 0.09c = 0.13(200)$
 $s + c = 200$

15. 7.5 feet