

Review Ch. 3

p. 193 1. $X=6$	p. 193 2. $a=23$	p. 193 3. $y=6$
p. 193 4. $X=20$	p. 193 5. $p=-4$	p. 193 6. $X=8$
p. 193 8. $X=\frac{3}{2}$	p. 193 9. No Solution	p. 135 #32. $X=-11$
p. 135 #41. $r=-9$	p.142. #39. $B=-90$	p. 143 # 58. $X=3ft$
p. 148 #32. $X=-52$	p. 190 #9. $p=3$	p. 190 #11. $y=-8$
p. 190 #13. $r=-1$	p. 191 #17. $Z=-2$	p. 191 #19. All real numbers
p. 191 # 20. $r=-5$	p. 169. # 25. $r \approx 1.71$	p. 169 #33. $x \approx 1.60$
p. 192. #28. $h = \frac{S}{2\pi r}$	P 193 #14. $I = \frac{2(S-B)}{P}$	p. 177 # 15. $y = -2x + 5$

p. 177 # 17. $y = 6x - \frac{13}{2}$	P 177 # 20. $y = \frac{5}{7}x - \frac{3}{7}$	p. 183 # 11. \$0.40 per can
p. 183 # 12. \$6.75 per hour	p. 183 #13. About \$0.93 per quart	p. 184 # 27. About 300 miles

A model of a shelving unit is 6 in tall. The actual shelving unit is 32 inches tall. What is the ratio of the actual shelving unit to the model shelving unit?

$\frac{16}{3}$ inches

p. 186 #9. 396 miles	p. 193 # 18. Rate=\$7 per driveway Total earnings: \$42 7x = 42 (C)
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You want to join a book club that sends you books every month. One book club, Just for books, offers a fee of \$30 per month for an unlimited number of books. Another club, Booktastic, offers a \$5 membership fee per month and \$1.50 per book.

How many books must you get for the cost of joining either club to be the same?

30=5+1.5b; b = # of books
b is about 16 books

Explain when it would be better to join Just for books.

When you get 17 or more books