

# Math 22 Tentative Homework

**Do all questions in the TEST YOURSELF sections that are listed just before the Exercise Sets in your textbook. They will help you check that you are using the correct mathematical language.**

## Problems with solutions/hints at back of book

- 1.1 1, 3, 5, 7ac, 8, 10, 12  
1.2 1, 2ac, 3, 5, 6, 7acd, 8ad, 9abfi, 10ac, 11  
1.3 1, 3, 5, 7, 9, 11, 13, 15ab, 16, 19
- 2.1 1, 3, 5a, 6ab, 8ad, 10ac, 11, 12, 14, 16, 18, 23, 25, 27, 32, 34, 38, 40, 44, 46  
2.2 1, 3, 5, 9, 12, 13a, 14a, 16, 19, 20adf, 21a, 22adf, 23adf, 24, 26, 28, 29, 32, 34, 37, 40, 42, 44, 46ab  
2.3 1, 3, 7, 8, 12a, 14, 18, 22, 24, 26, 27, 36, 37, 39, 41, 43
- 3.1 ALL except 27  
3.2 ALL except 36  
3.3 9a, 10ac, 11acd, 12ab, 14, 15, 21a, 22, 29, 31–34, 37, 39, 40a, 41abe, 44a  
3.4 2, 5, 7–10, 16, 19ab, 21, 23, 25, 33
- 4.1 1, 2, 4, 7, 9, 11, 14, 17, 19, 20, 22, 25, 31, 35, 38–40, 43, 47, 54  
4.2 6, 9, 11–13, 15–19, 21, 24, 35, 37  
4.3 1, 2, 4, 7, 12, 14–16, 18, 19, 24, 26, 27, 32, 38  
4.4 1, 5, 7, 13, 16, 20, 23, 26, 28, 29, 32, 38  
4.5 1, 3, 5, 8, 10, 11, 18, 19, 21, 23, 25, 30,  
4.6 1, 3, 7, 9, 13, 19, 34
- 5.1 ALL  
5.2 1, 5, 10, 13, 15, 20, 28, 30, 33–35  
5.3 3, 4, 6, 11, 14, 16, 24, 30, 31  
5.5 1, 3, 5, 7, 11, 13, 17, 26, 27, 38  
5.6 3, 5, 6, 9, 10, 12, 26, 52
- 6.1 1ac, 2, 3ab, 5, 10, 27ad, 28, 31, 34a, 35ab  
6.2 1, 6, 8, 9, 11, 13, 16, 20–25, 30, 33  
6.3 3, 5, 9, 11, 14, 15, 18, 19, 23, 27, 28, 31, 36, 39, 41, 44, 47  
6.4 1, 4, 6, 7, 8, 10, 13, 14, 17, 21
- 7.1 1, 3–5, 7–11, 27, 29, 31, 33, 34, 36, 38, 39  
7.2 1–3, 5–9, 10, 13–15, 20, 21, 30, 38, 39  
7.3 1, 6  
7.4 1, 2, 3, 10, 11
- 8.1 4, 8, 9, 13, 15, 16, 19  
8.2 1, 12, 15, 18, 23, 28, 31  
8.3 1, 3, 7, 11, 18, 22, 25, 30, 32, 34, 35, 38
- 9.1 2, 3, 9, 16, 18, 21  
9.2 6, 8, 9, 11, 14, 16, 19, 20, 21, 22, 26, 32, 33  
9.3 1, 3, 4, 6, 7, 12, 13, 15, 18, 20, 22a, 29, 30, 31  
9.4 TBA  
9.5 1, 3, 6, 8, 19, 25  
9.6 5, 10, 17, 23
- 10.1 TBA  
10.2 TBA  
10.3 TBA

## Problems with no solutions/hints at back of book

- 6, 7bd, 9, 11  
4, 7be, 8bc, 9chj, 12  
4, 8, 14, 15de
- 4, 5bc, 8bce, 10bde, 13, 15, 22, 24, 29, 30, 39, 42, 45
- 4, 11, 13b, 14b, 15, 18, 20cg, 21bc, 22cg, 23cg, 25, 27, 31, 35, 36, 41, 43, 46cdef  
2, 4, 9, 11, 12b, 17, 20, 21, 23, 28, 29, 31, 33, 34, 44
- AS MANY AS POSSIBLE except 27, 31  
AS MANY AS POSSIBLE except 23, 35, 36  
9b, 10bdef, 11bef, 12cd, 16, 17, 21d, 23, 30, 38, 40b, 41cdh, 44bc
- 4, 5, 11–15, 19cd, 20, 22, 24, 26, 27, 34
- 3, 5, 6, 10, 12, 13, 16, 18, 21, 23, 26, 32, 37, 41, 42, 50, 52, 53, 57, 58
- 7, 8, 20, 23, 26, 30, 33, 36, 38, 39  
3, 5, 20, 28, 30, 34, 36, 37  
2, 6, 9, 14, 19, 22, 24, 37, 43  
4, 6, 7, 9, 12, 17, 20, 22, 24, 28, 32  
2, 6, 8, 10, 11, 12, 17, 35
- 2, 4, 7, 11, 12, 23, 29, 31  
5, 7, 10, 18, 21, 26, 29  
14, 16, 24, 25, 29, 32  
4, 7, 13
- 8, 9, 12, 13, 15, 17, 18, 29, 33  
2, 4, 14, 15, 17, 31, 32  
4, 7, 13, 20, 22, 24, 32, 35, 42, 46  
2, 3, 5, 9, 15, 16, 18, 22
- 3, 4, 25, 28, 35, 40  
9, 12, 18, 19, 31, 43  
2, 8  
5, 9, 12
- 3, 6, 7, 11, 14, 18, 20  
2, 10, 14, 17, 19  
2, 4, 9, 10, 26, 33, 38
- 4, 10, 13, 19  
14, 17, 18, 20, 22, 27, 30, 32, 33  
32
- 11, 13, 17, 26a–e, 27, 30  
9, 11, 16