

Math 1300
Homework 15
Section 3.2

1. 3.2.2

- a. $x^2 + 12x + 20$
- b. $x^2 + 3x + 3$
- c. $x^2 + 3$
- d. $x^2 + 4$
- e. None of the above

2. 3.2.10

- a. $x^2 - 18$
- b. $x^2 + 81$
- c. $x^2 - 81$
- d. $x^2 + 18$
- e. None of the above

3. 3.2.14

- a. $3x^2 - 8x + 6$
- b. $3x^2 - 14x + 8$
- c. $3x^2 + 8$
- d. $3x^2 - 6$
- e. None of the above

4. 3.2.22

- a. $-6x^{20} + 10x^5 - 3x^8 + 5x^2$
- b. $10x^5 - 3x$
- c. $10x^5 - 3x^6$
- d. $-6x^9 - 3x^6 + 10x^5 + 5x^2$
- e. None of the above

5. 3.2.36b

- a. $-9x^2 - 4x + 9$
- b. $-14x^4 - 28x^3 + 63x^2$
- c. $-14x^4 + 91x^2$
- d. $-9x^2 + 4x - 9$
- e. None of the above

6. 3.2.28b

a. $-x^3 - 12x$

b. $-5x^3 + 12x$

c. $-x^3 + 12x$

d. $-5x^3 + 12x^2$

e. None of the above

7. 3.2.32b

a. -16

b. 6

c. -10

d. -6

e. None of the above

8. 3.2.42a

a. $6x^4 - 3x^2 - 1$

b. $6x^4 - 11x^2 - 1$

c. $6x^2 + 11x - 1$

d. $6x^2 - 3x - 1$

e. None of the above

9. 3.2.44b

a. $-x^8 + x^7 - 6x^5 + 7x^2$

b. $x^7 - 6x^5 - 7x^4 - 3x$

c. $-7x^8 + x^7 - 6x^5 - 3x^2$

d. $x^7 - 6x^5 - x^4 + 7x$

e. None of the above

10. 3.2.48c

a. $x^3 + 2x^2 + 9x + 18$

b. $x^3 + 2x^2 + 3x - 18$

c. $x^3 - 4x^2 - 3x + 18$

d. $x^3 + 2x^2 - 9x - 18$

e. None of the above